

Charting the Course to 2025:

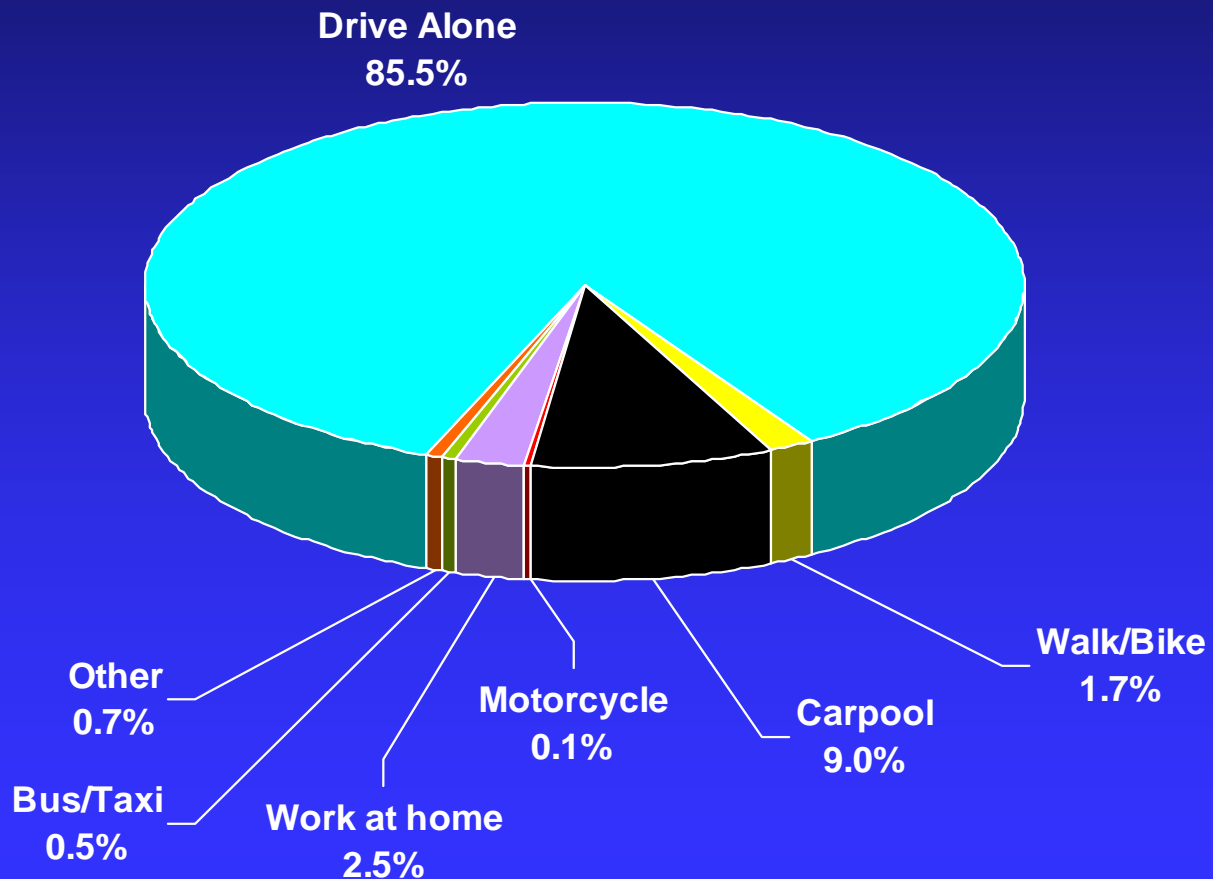
Transportation

York County Comprehensive Plan Review
Steering Committee

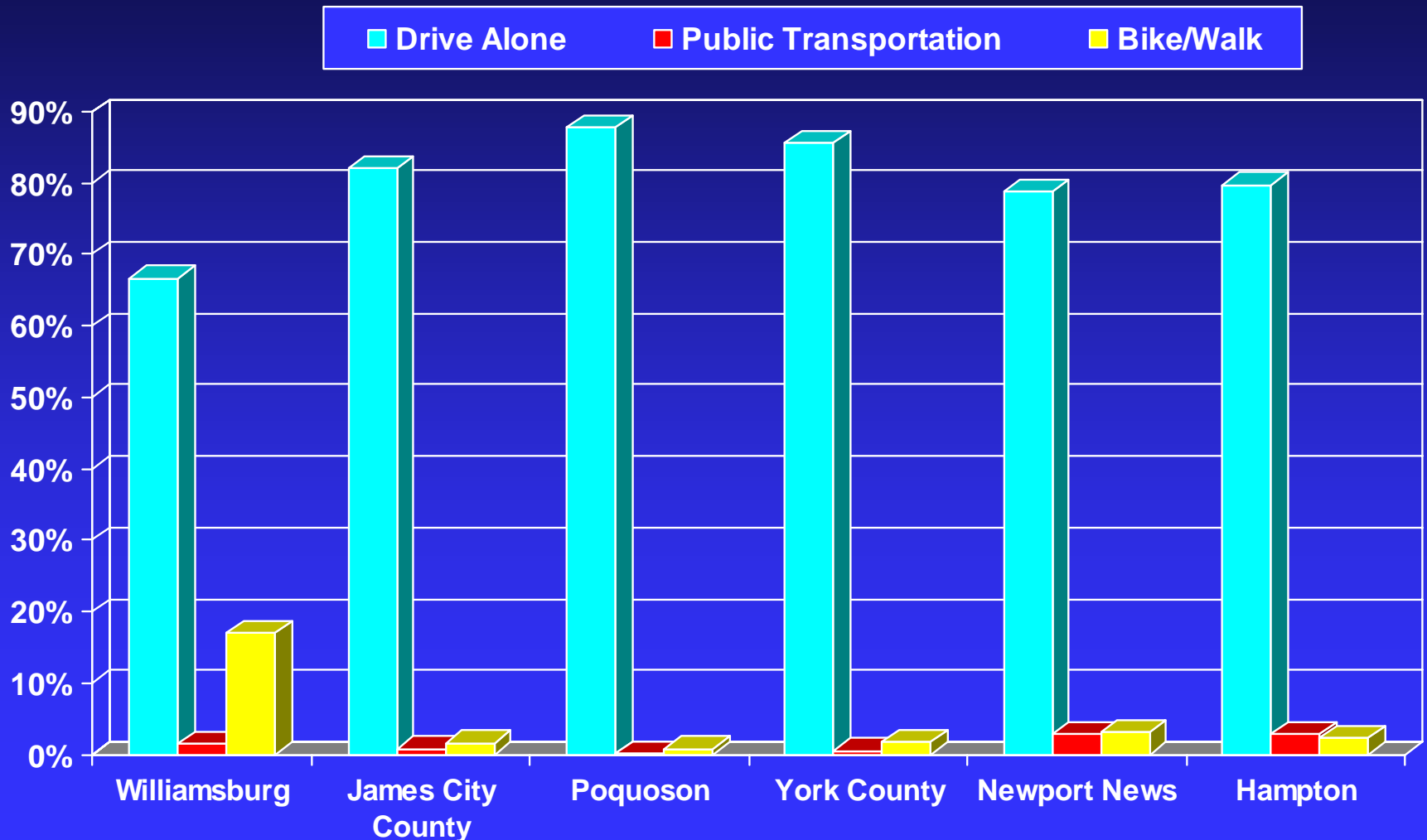
December 16, 2004



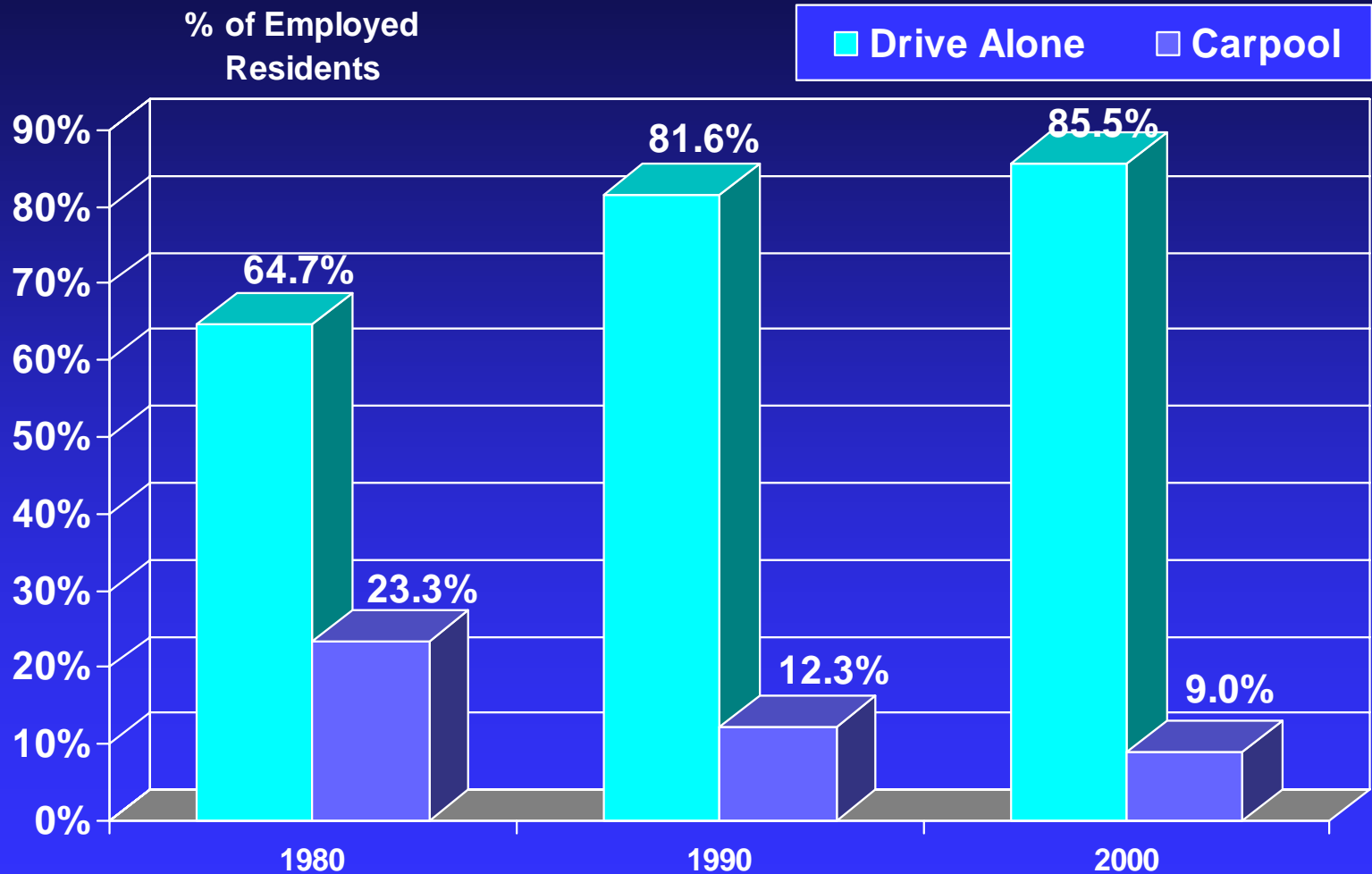
The vast majority of York County residents drive to work alone...



...not unlike most neighboring jurisdictions...



... and more and more workers are doing so.



Modes of Transportation

- Airports
- Bikeways
- Highways
- Railways
- Transit
- Walkways
- Waterways

The Code of Virginia requires Plans to address transportation:

*“The comprehensive plan shall include a transportation element that designates a system of transportation infrastructure needs and recommendations that shall include, as appropriate, but not be limited to, **roadways, bicycle accommodations, pedestrian accommodations, railways, bridges, waterways, airports, ports, and public transportation facilities.** The Virginia Department of Transportation shall, upon request, provide localities with technical assistance in preparing such transportation element.”*

Long-Range Regional Plan

- 20-year planning horizon (minimum)
- Federal mandate
- Coordinated by HRPDC
- Participation
 - ◆ All Hampton Roads localities
 - ◆ VDOT and VDRPT
 - ◆ Federal Highway Administration
 - ◆ Transit agencies



Long-Range Regional Plan (cont.)

- Multi-modal

- ◆ Highways – interstates, freeways, arterials, selected collectors
- ◆ Bikeways/Pedestrian facilities
- ◆ Transit
- ◆ Intelligent Transportation Systems

- Fiscally constrained

- Air quality conformity

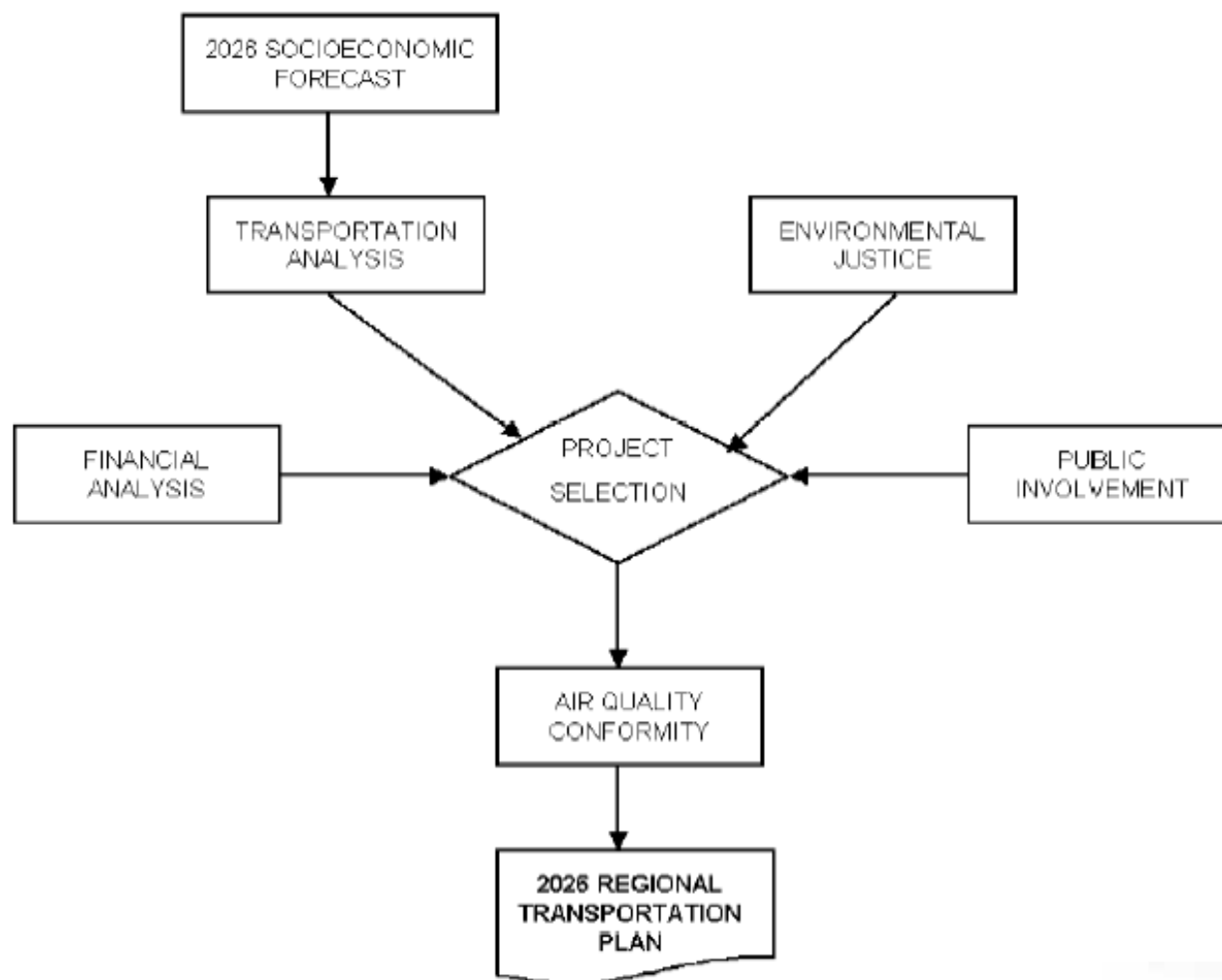


Long-Range Regional Plan (cont.)

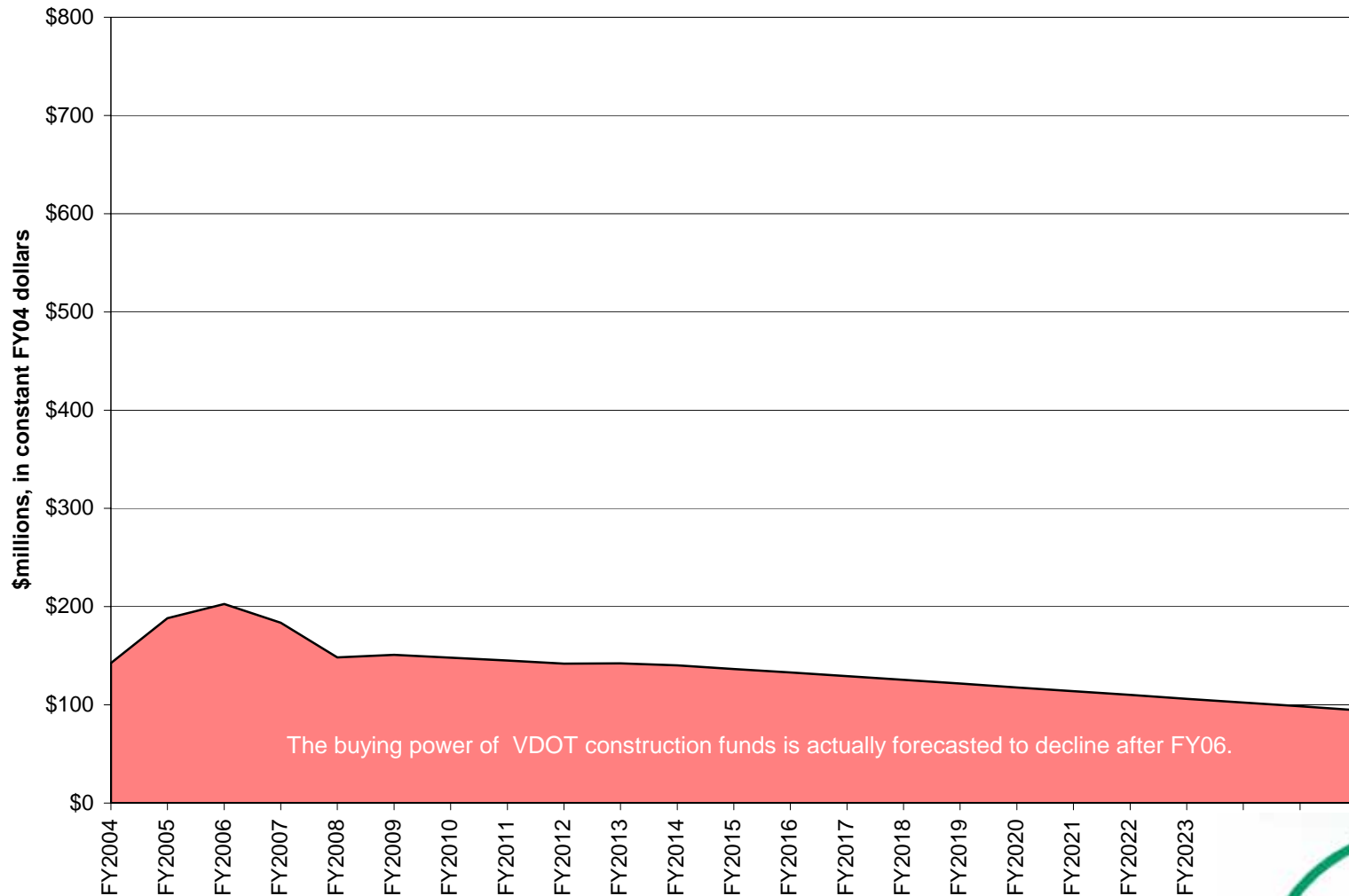
- Socioeconomic projections
 - ◆ Population and employment for every traffic zone in the region
- Transportation modeling
- Financial projections
- Project evaluation and selection
- Air quality conformity



Schematic of the 2026 Regional Transportation Planning Process

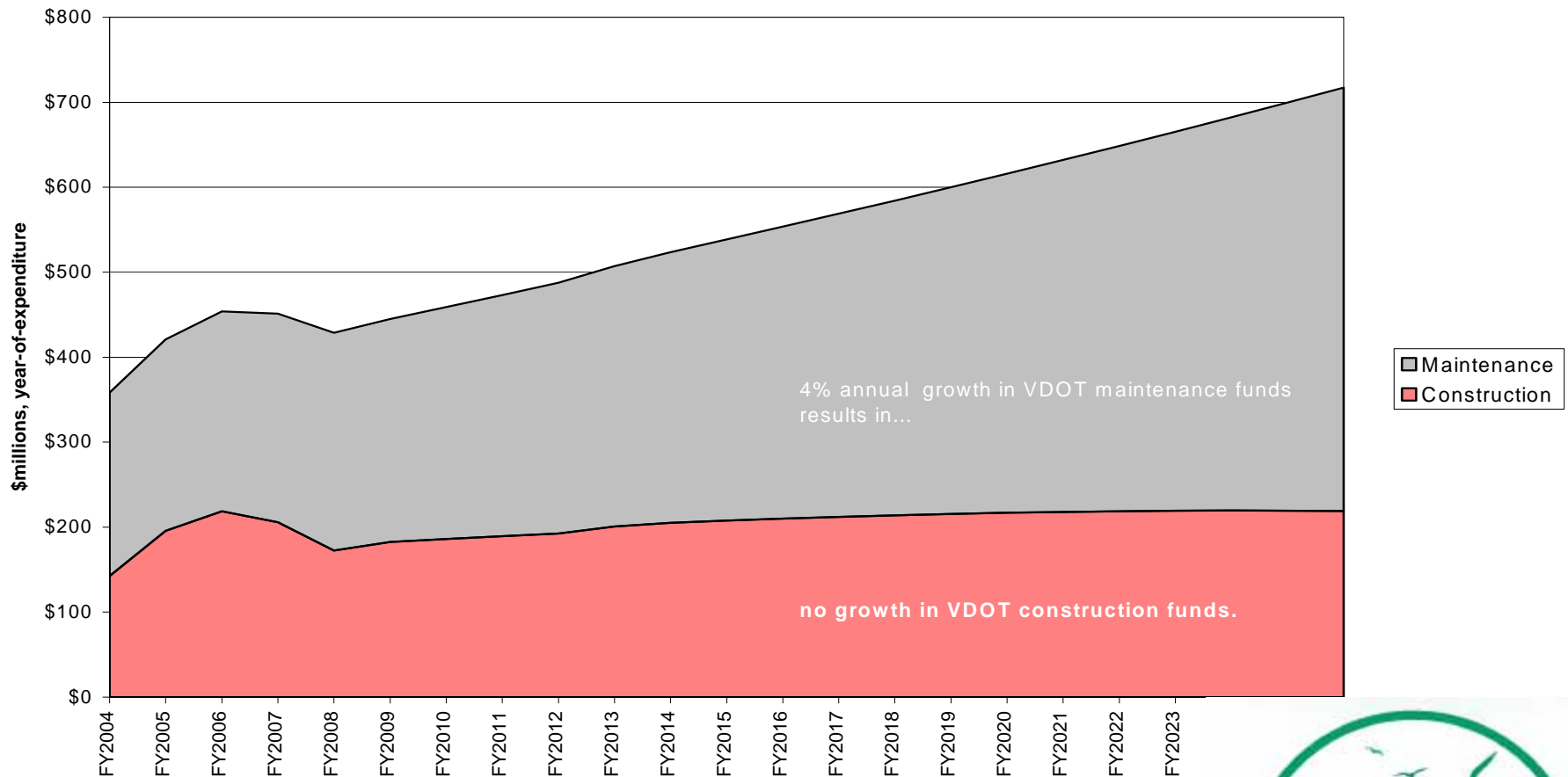


VDOT Construction Funding, in Constant \$'s



VDOT Funding for Hampton Roads

VDOT Funding for Hampton Roads



source: VDOT



Long-Range Regional Plan (cont.)

- York County projects
 - ◆ Widen I-64 to 6 conventional lanes and 2 HOV lanes from Bland Blvd to Route 199 (Water Country)
 - ◆ Widen Route 17 to 6 lanes from Route 134 to Wolftrap Road
 - ◆ Extend Fort Eustis Boulevard from Route 17 to Old York-Hampton Hwy



Bikeways



- Regional Bikeway Plan
 - ◆ Williamsburg, James City, & York
 - ◆ Adopted in 1993
- HTBAC formed in 1994
 - ◆ Guide implementation of the plan
 - ◆ Formulate updates as necessary
 - ◆ Advise governing bodies on bike issues

Bikeways – Implementation

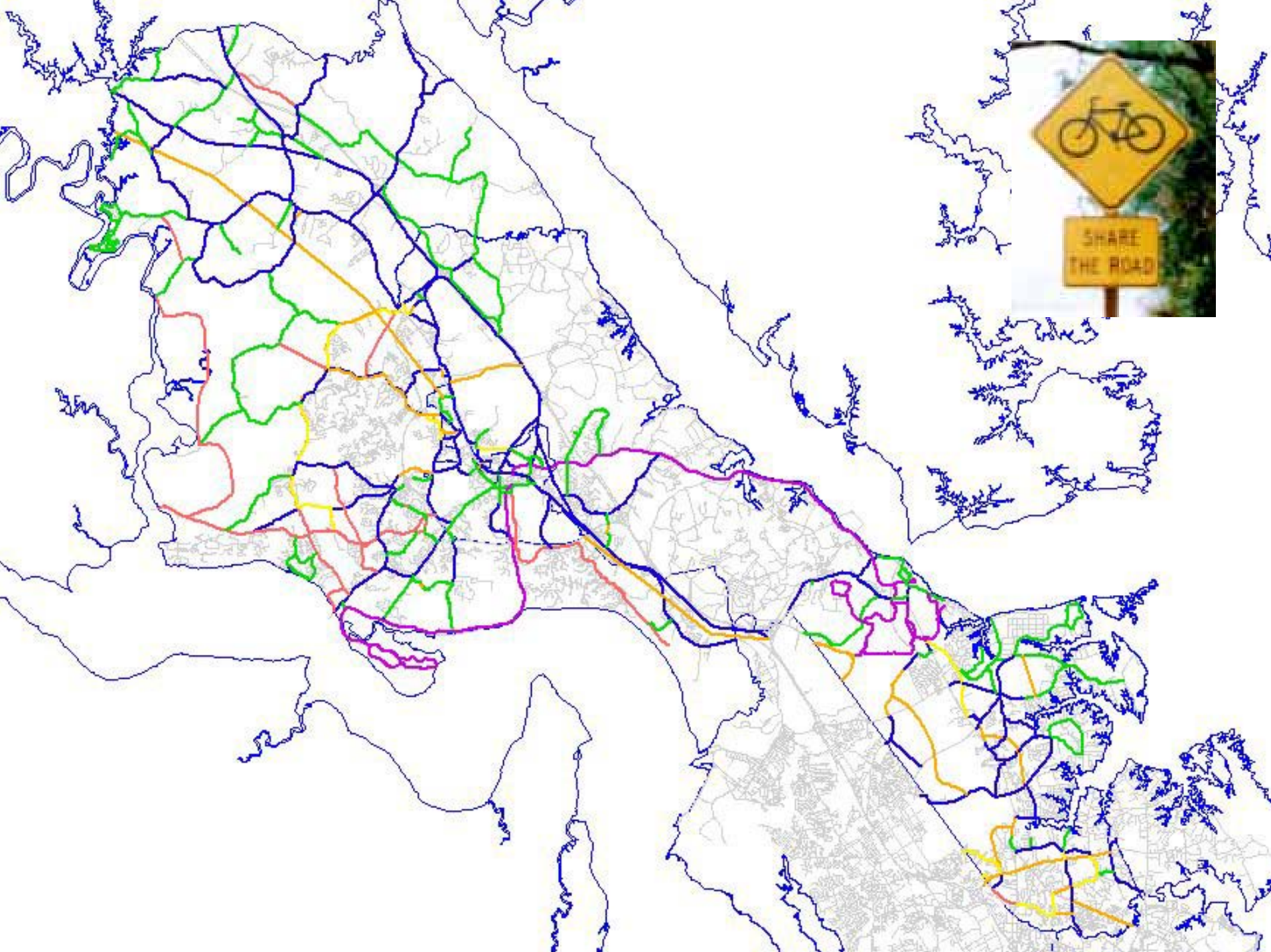


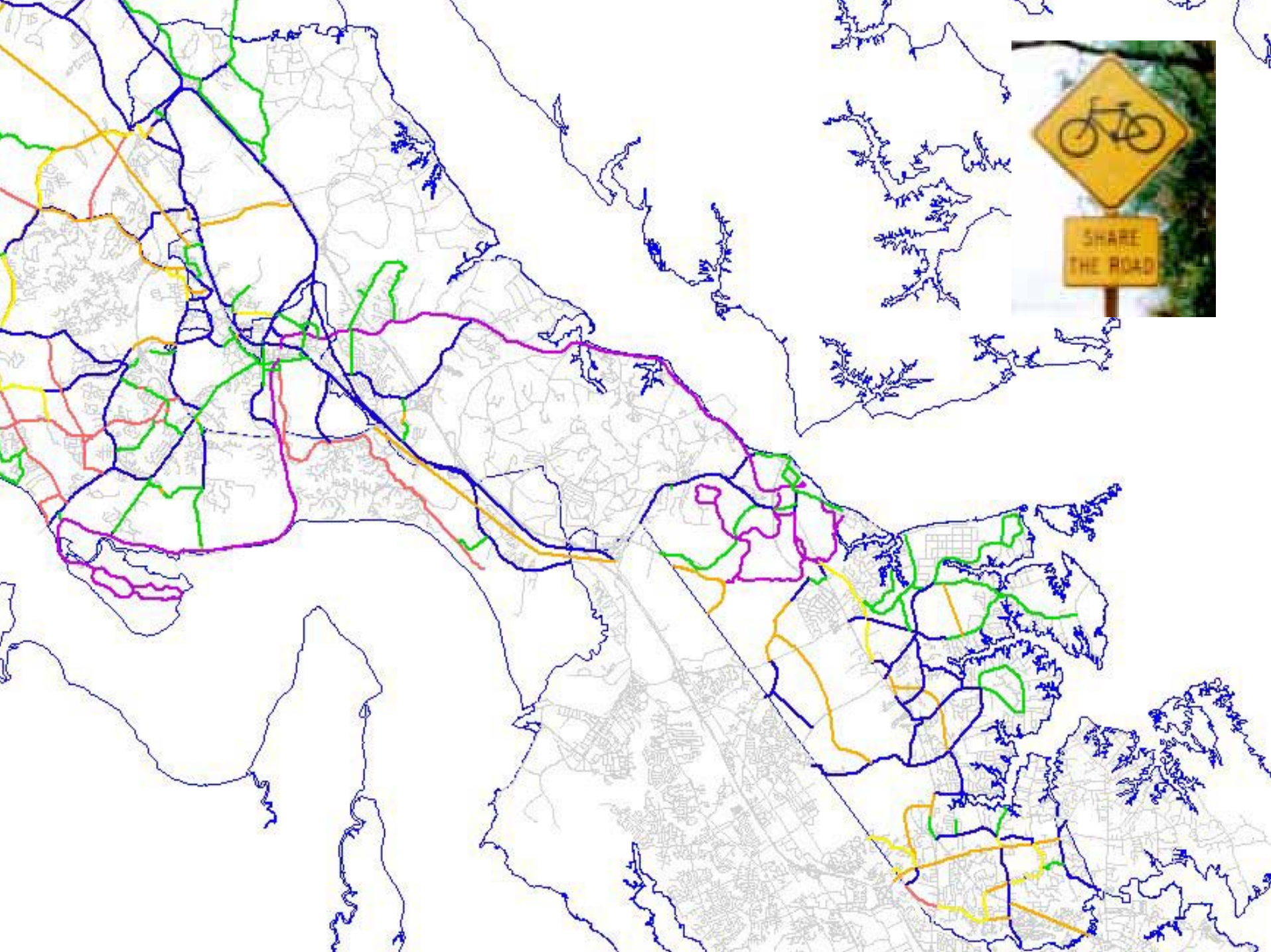
- In conjunction with other road projects
- As a requirement of developing along designated bikeway corridors
- Regional CMAQ/RSTP funds
- Capital Improvements Program
- Secondary Road funds

Bikeways – Results

- Old York-Hampton Highway
- Mooretown Road
- East Rochambeau Drive
- Goodwin Neck Road
- Waller Mill Rail Trail





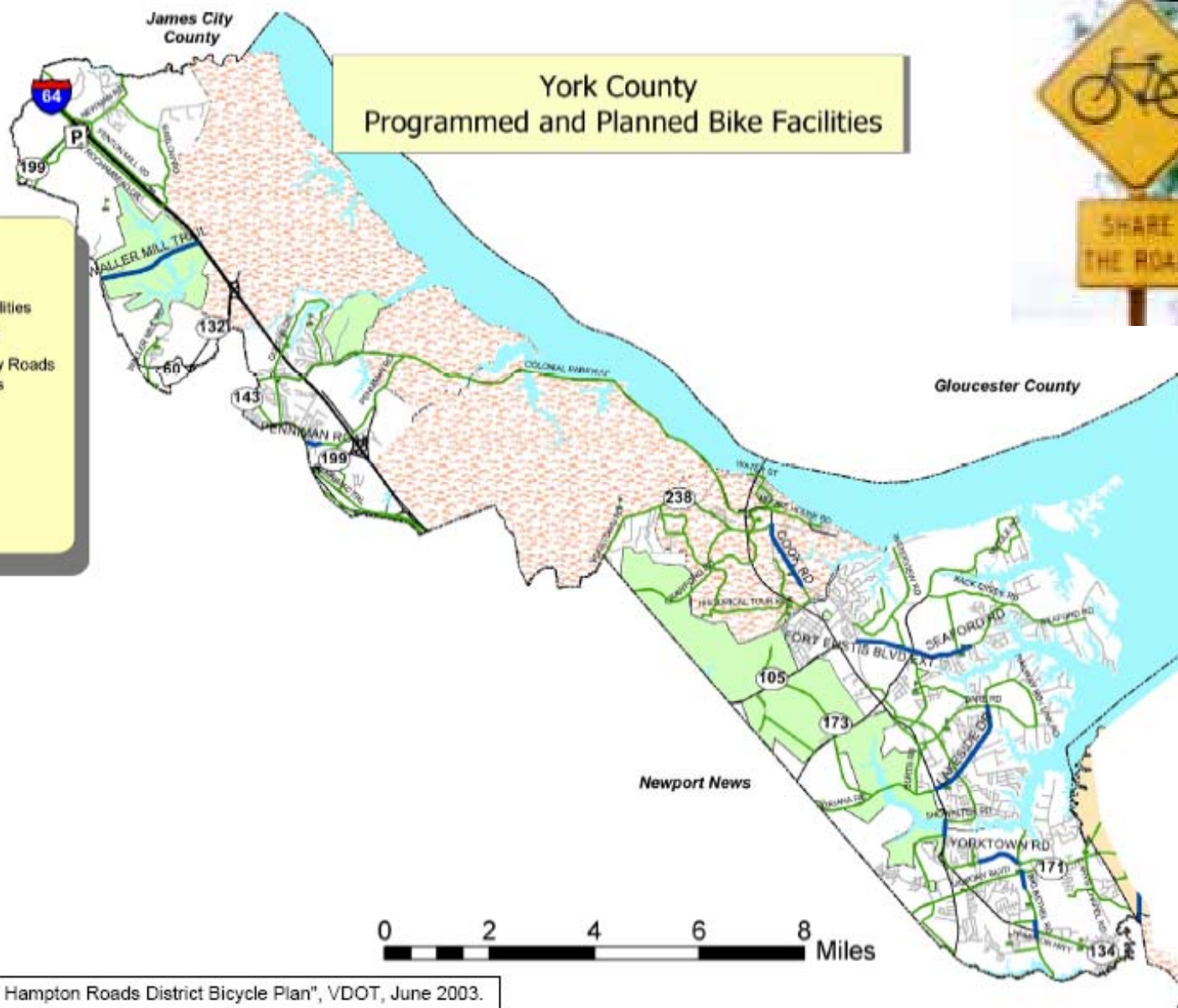


York County Programmed and Planned Bike Facilities



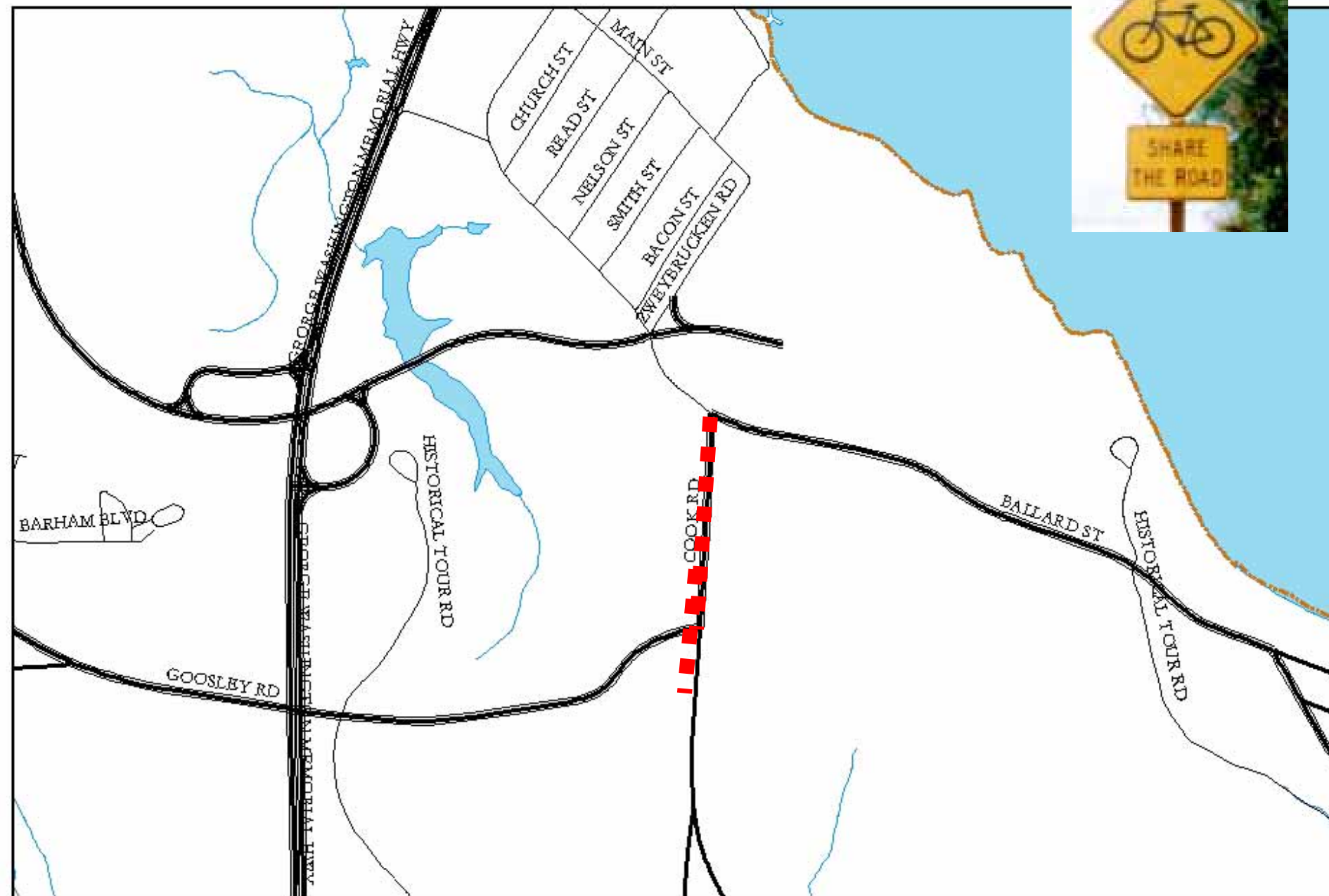
Legend

- Programmed Bike Facilities
- Planned Bike Facilities
- Interstates and Primary Roads
- Jurisdiction Boundaries
- Other Roads
- Cities and Towns
- Federal Land
- Parks
- Schools
- P Park and Ride Lots



Source of map: "VDOT Hampton Roads District Bicycle Plan", VDOT, June 2003.

Cook Road Bike Lanes



Railways

- Peninsula Rail Transit Project
- Richmond/Hampton Roads Passenger Rail



Peninsula Rail Transit Project

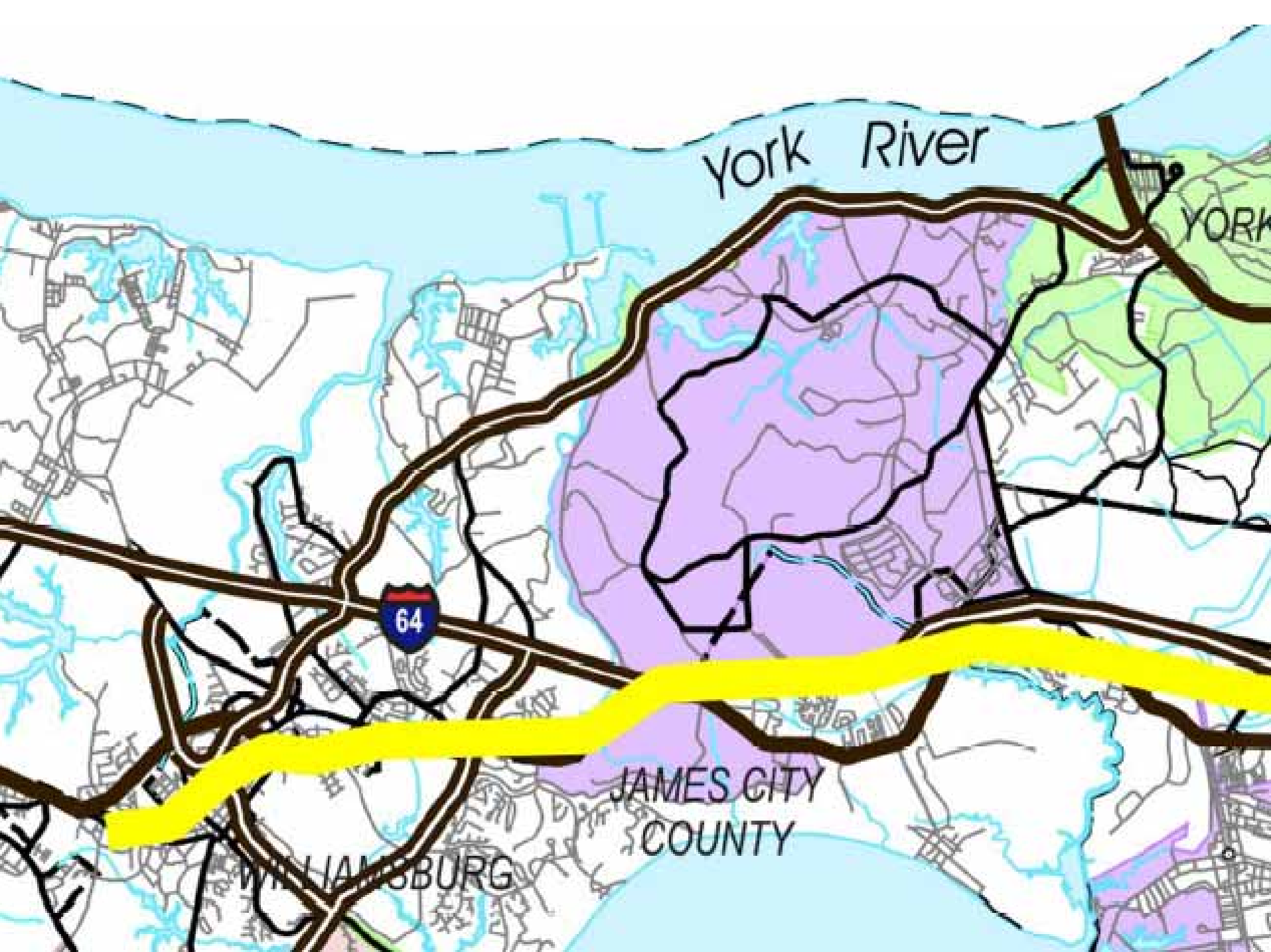
- Alignment approved by all Peninsula localities in Spring 2003
- 42-mile corridor from Williamsburg to downtown Newport News
- Environmental studies underway for alternative segments (MOS)



Peninsula Rail Transit Project

Approved for Preliminary Engineering in 2026 Long Range Plan





York River

YORK

64

JAMES CITY
COUNTY

WILLIAMSBURG

Richmond/Hampton Roads Passenger Rail Study



- Higher speed rail link between Richmond and south Hampton Roads
- Alternatives to be studied
 - ◆ Richmond-Newport News
 - ◆ Richmond-Newport News-Norfolk
 - ◆ Richmond-Petersburg-Norfolk





Virginia High-Speed Rail Plan Map



- Richmond to Washington, DC
- Richmond to Newport News
- Richmond to Norfolk
- Southeast High Speed Rail
- TransDominion Express
- Existing Amtrak Service

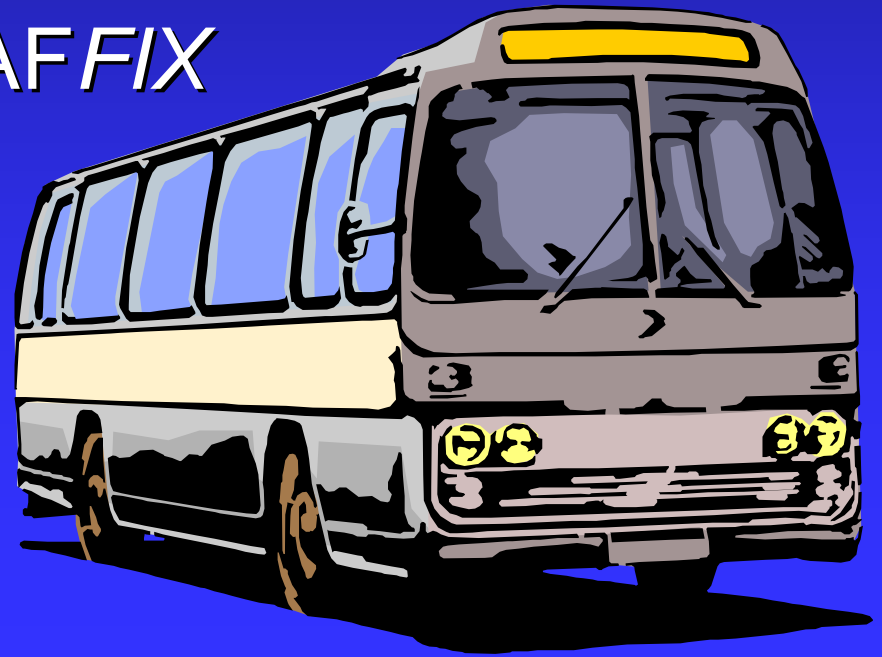




-  **Peninsula/CSX Alignment** (Richmond to Newport News Corridor)
-  **James River Alignment** (Richmond to Newport News to Norfolk Corridor)
-  **Southside-Norfolk Southern Alignment** (Richmond to Petersburg to Norfolk Corridor via Norfolk Southern)
-  **Southside-US 460 New Alignment** (Richmond to Petersburg to Norfolk Corridor via new US 460 Corridor)

Transit

- Williamsburg Area Transport (JCCT)
- Pentran experiment
- Hampton Roads Transit
- Ride-sharing/*TRAFFIX*



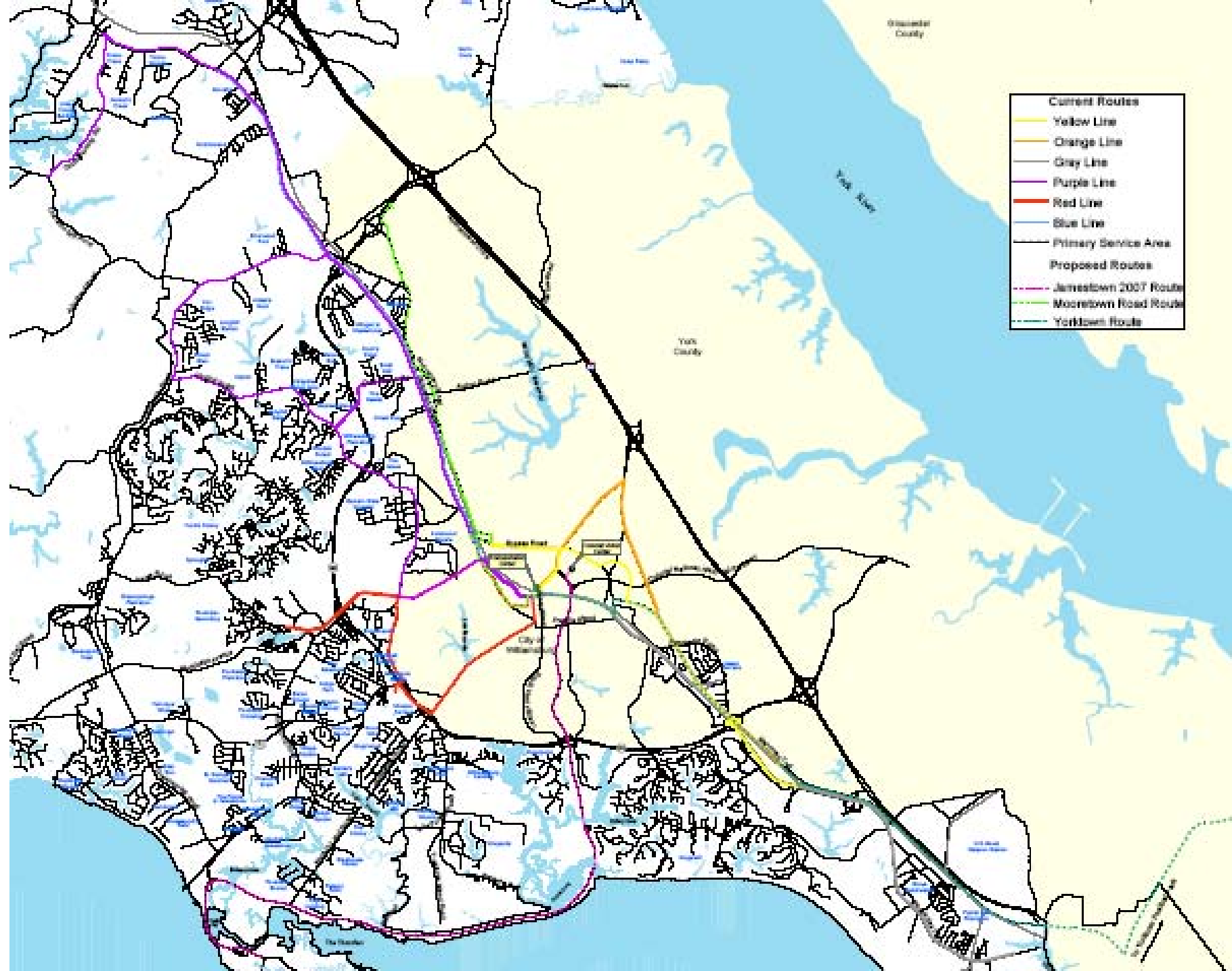
WILLIAMSBURG. AREA. TRANSPORT

- Serves James City County, Williamsburg, and York County
 - ◆ Merrimac Trail, Bypass Road
 - ◆ 9 stops in York County
- Mooretown Road route to be added
- Future Yorktown route?



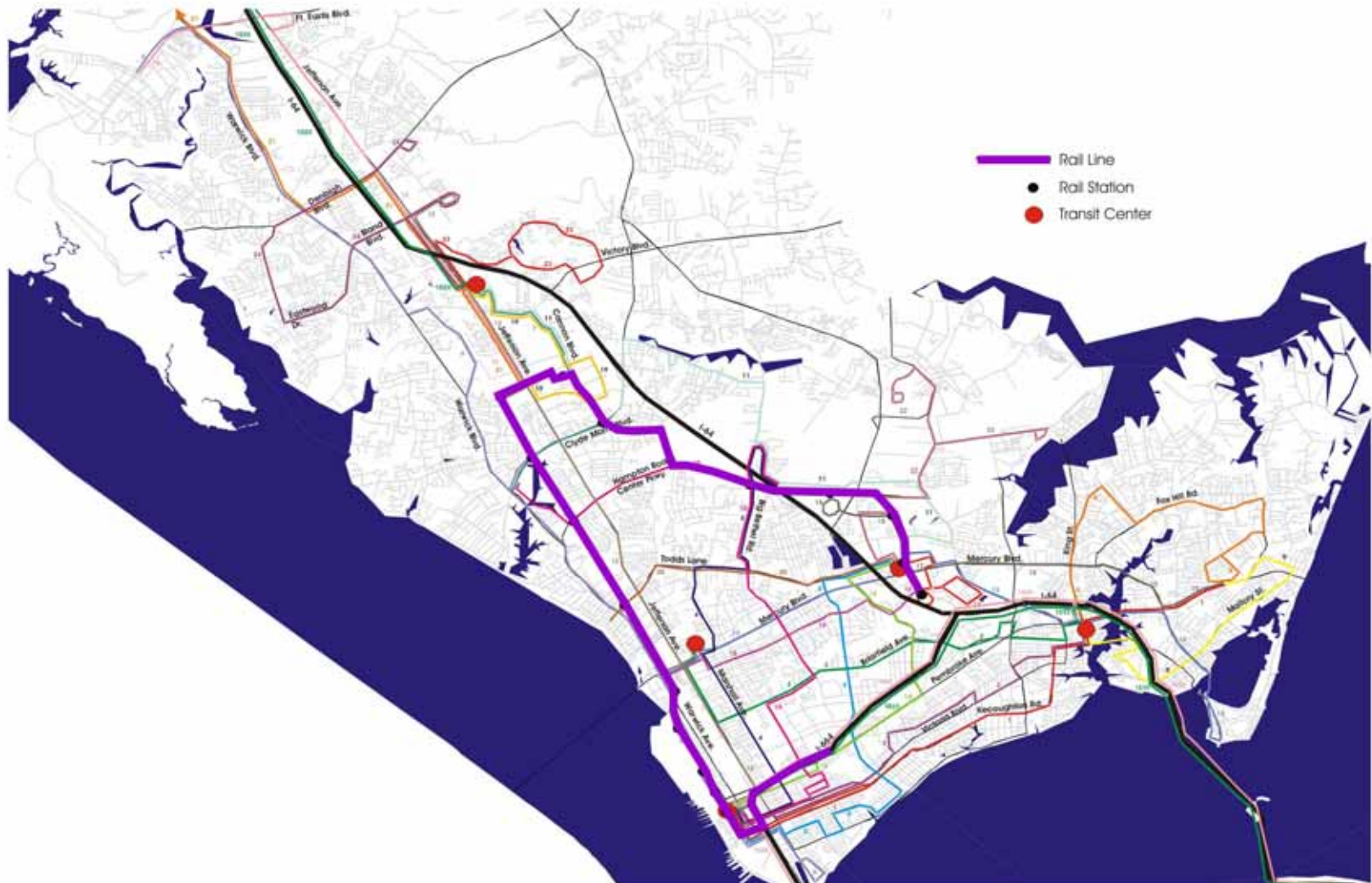
The WAT System





- Current Routes
- Yellow Line
 - Orange Line
 - Gray Line
 - Purple Line
 - Red Line
 - Blue Line
- Primary Service Area
- Proposed Routes
- Jamesstown 2007 Route
 - Moorestown Road Route
 - Yorktown Route

Peninsula Transit Planned Bus Routes and Representative LRT Route



Functional hierarchy of streets

- Interstate highways
- Primary Roads
 - ◆ Major arterials
 - ◆ Route numbers below 600
- Secondary Roads
 - ◆ Subdivision streets, collectors, minor arterials
 - ◆ Route numbers of 600+

State and Local Highway Plans

- VDOT has jurisdiction over the County's roads
 - ◆ State Six-Year Improvement Program
 - ◆ Six-Year Secondary Road Plan



Six-Year Improvement Program

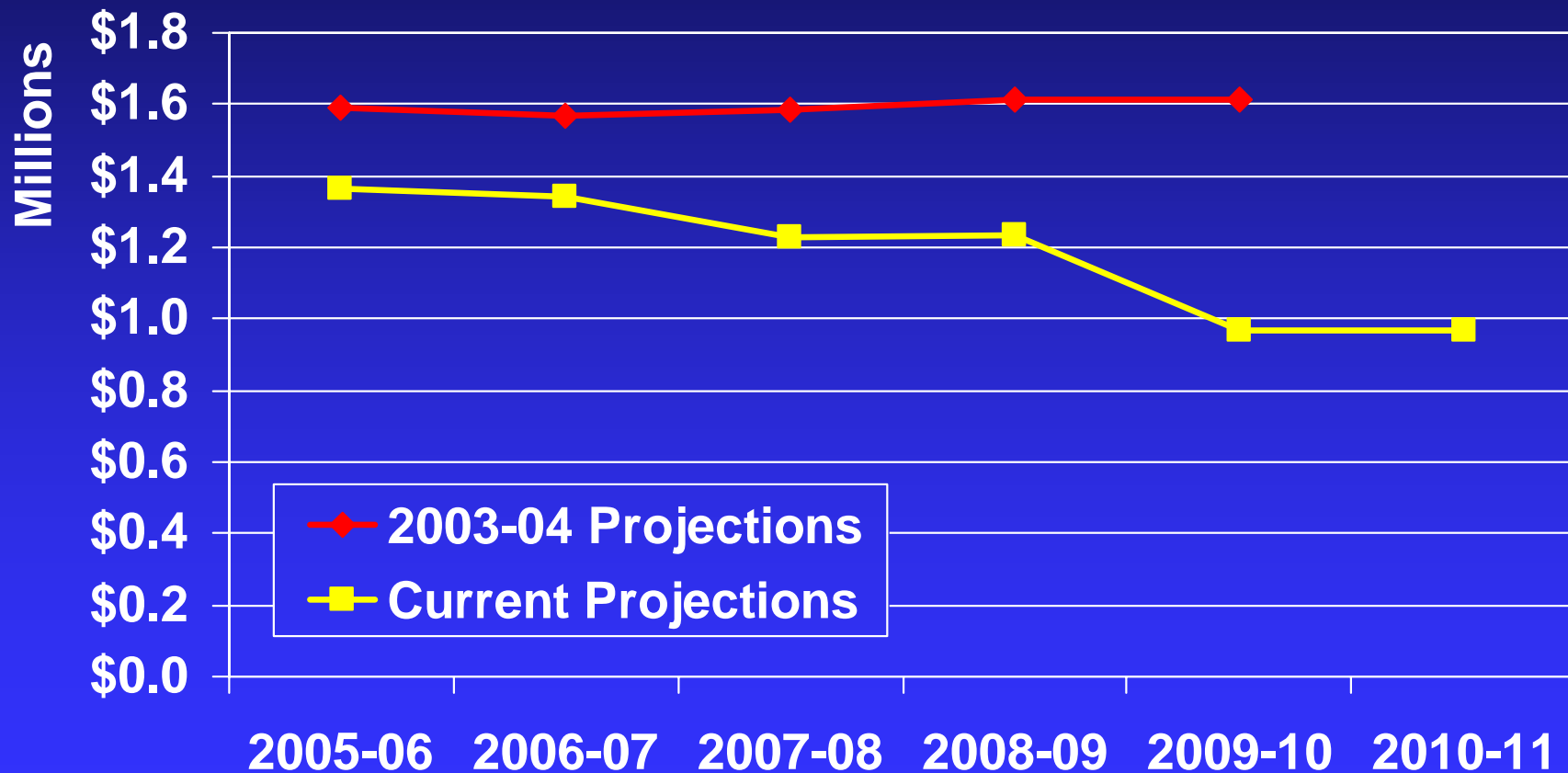
- Localities compete for state transportation funds
- York County presents an annual “wish list” to the Commonwealth Transportation Board



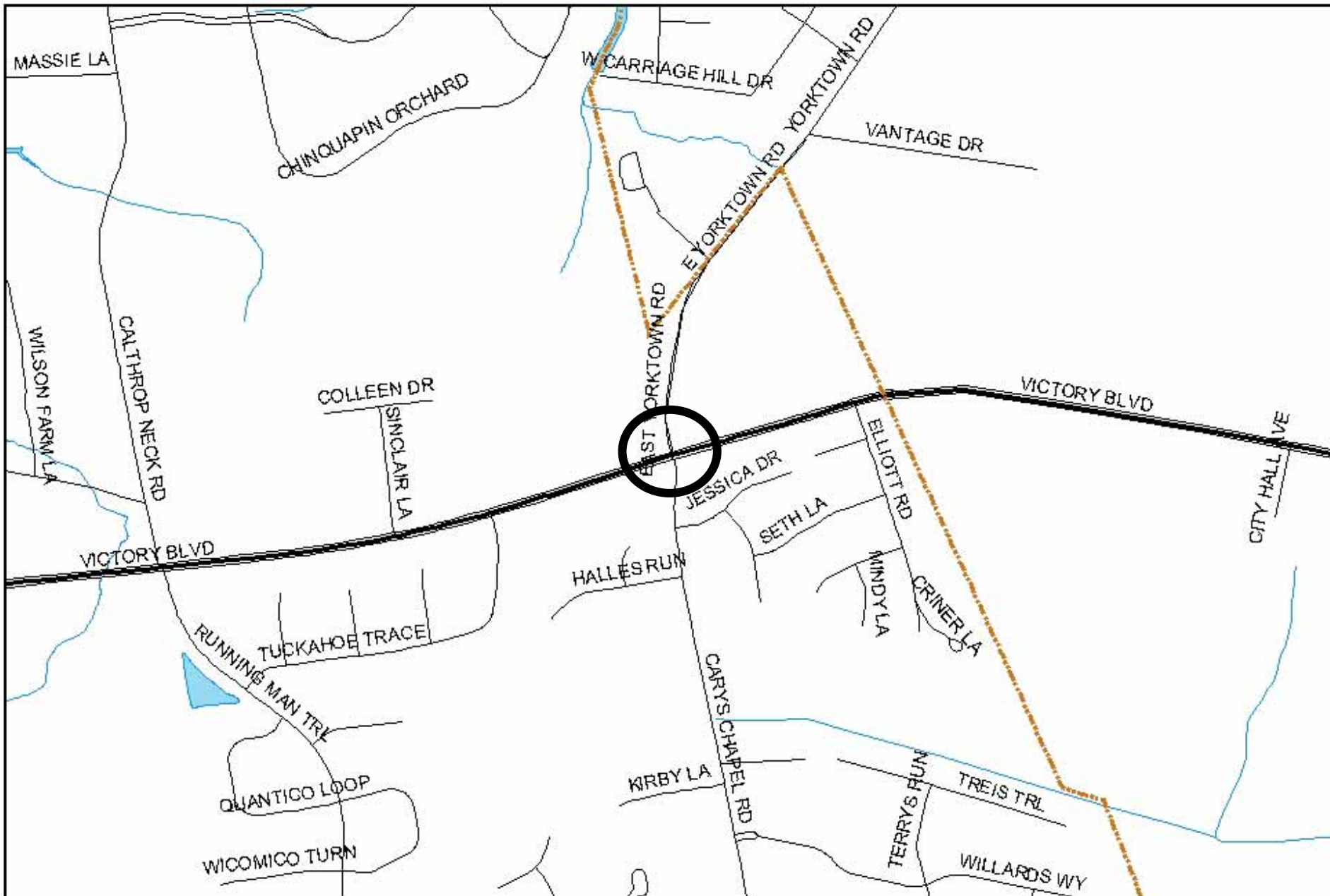
Six-Year Secondary Road Plan

- Counties receive an annual allocation.
- Counties work with VDOT to identify projects and priorities.
- As projects are completed, other projects move up on the list and new projects typically are added at the bottom.
- Because of budgetary problems, no new projects have been added in recent years.

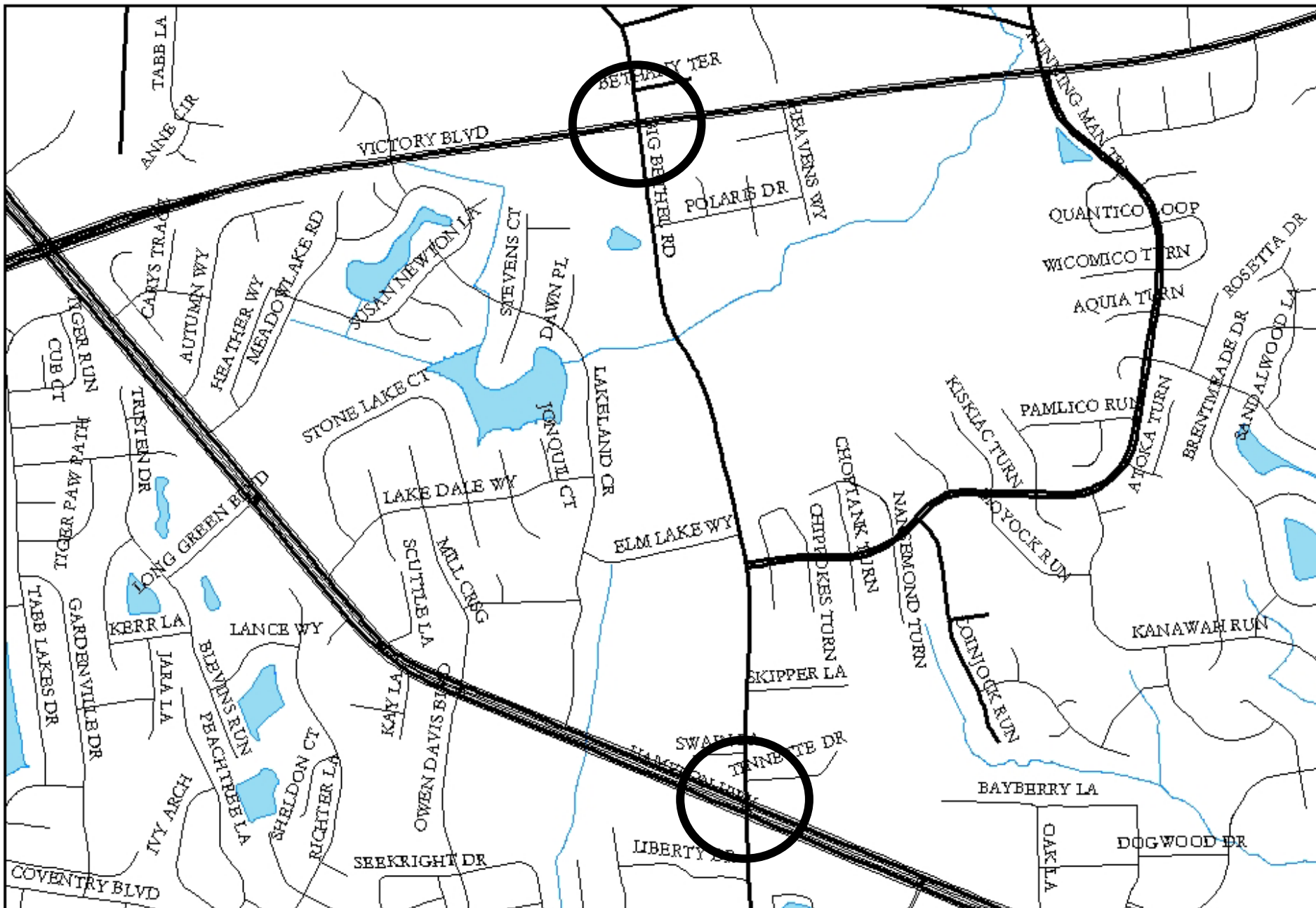
Allocations have been significantly reduced in recent years.



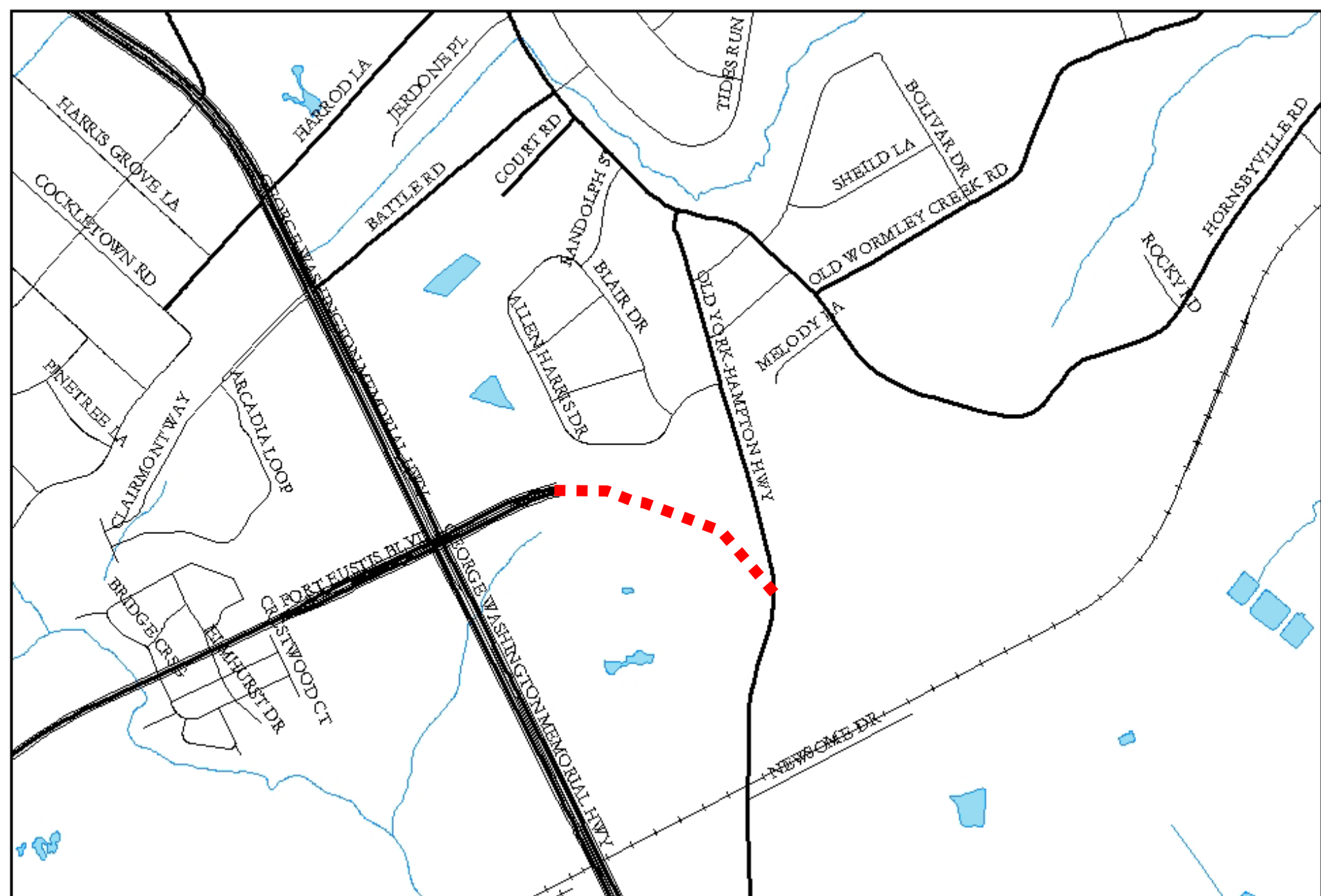
Cary's Chapel Road/Victory Boulevard



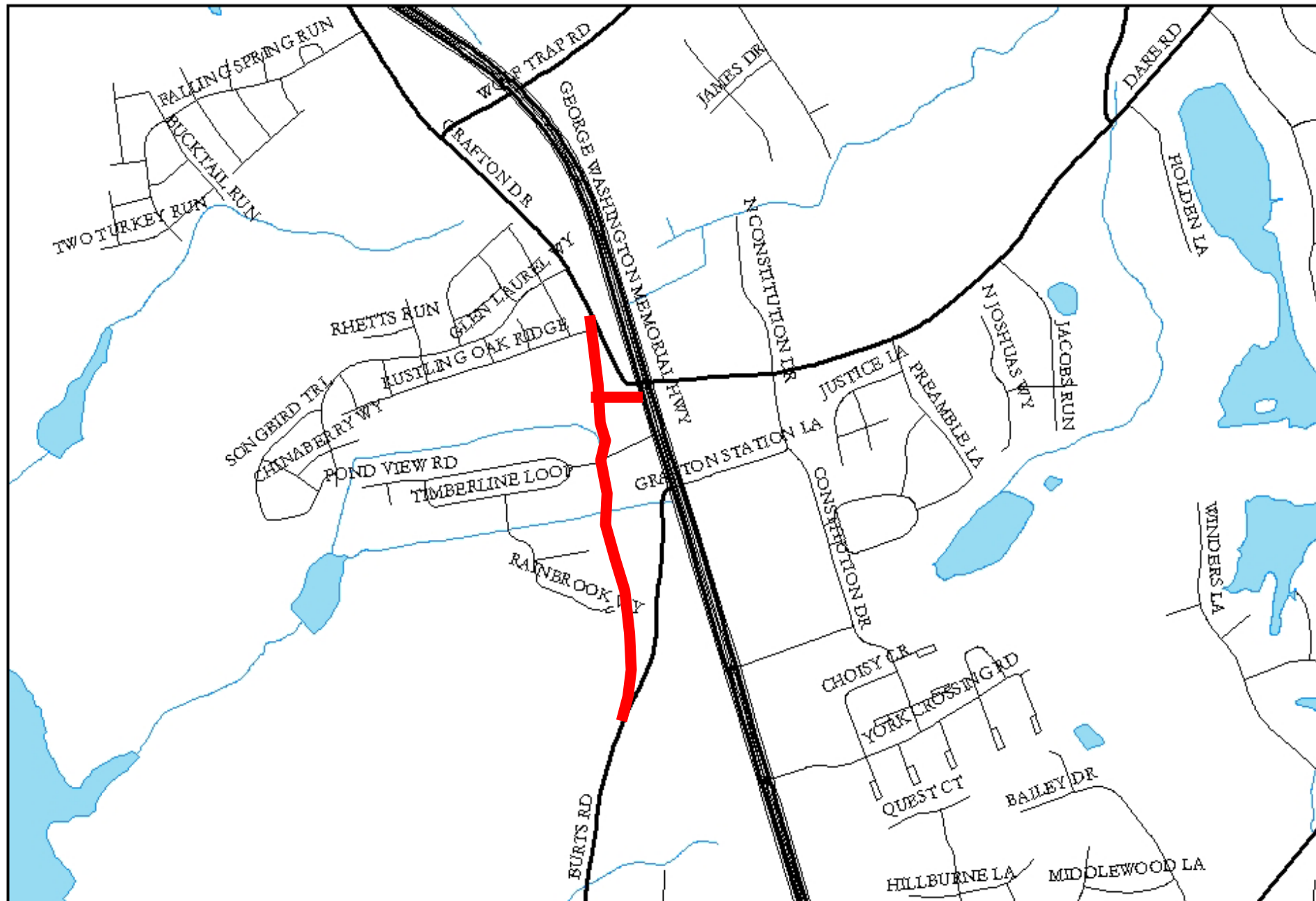
Big Bethel Road Intersections



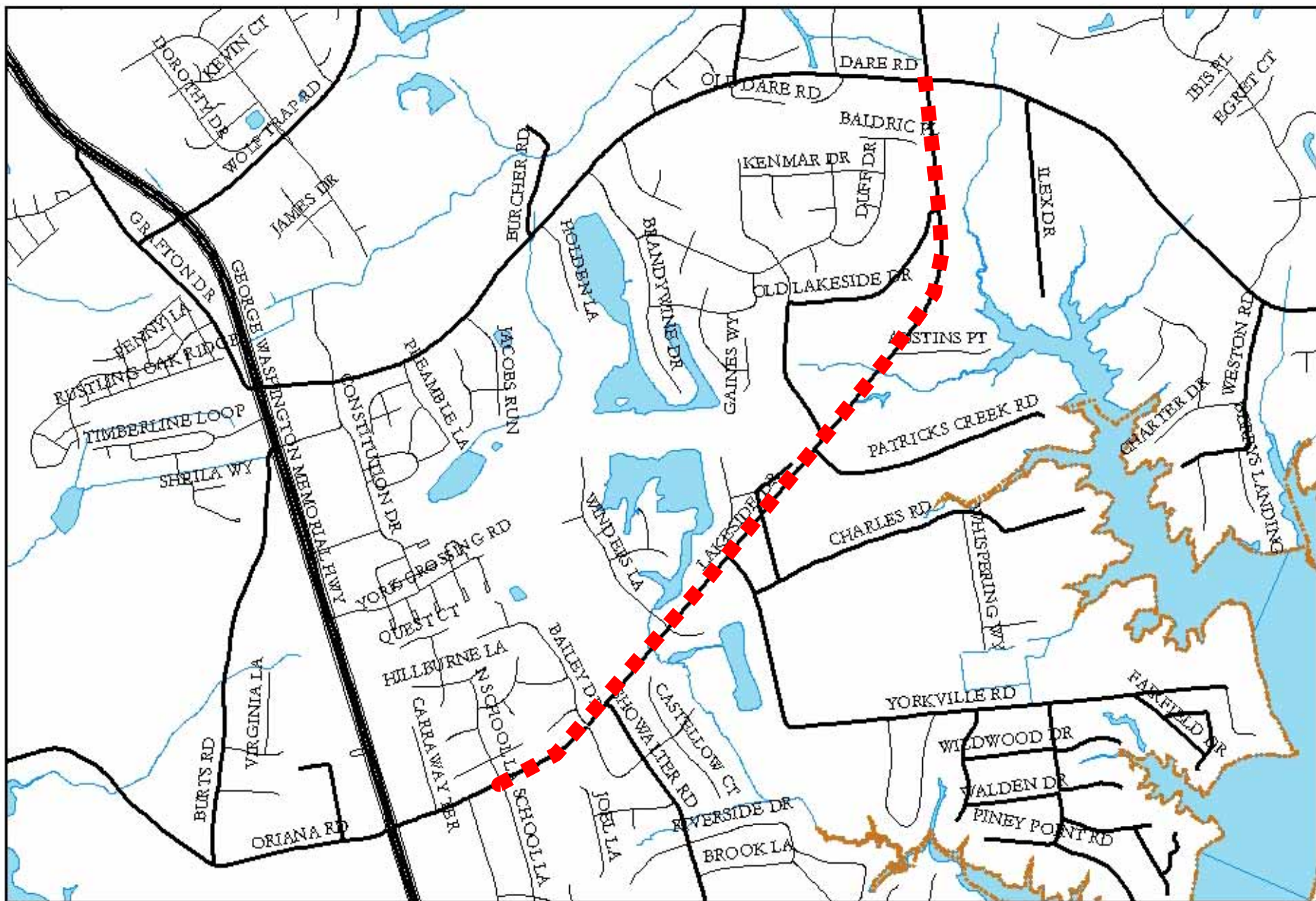
Fort Eustis Boulevard Extension



Grafton Drive/Burts Road



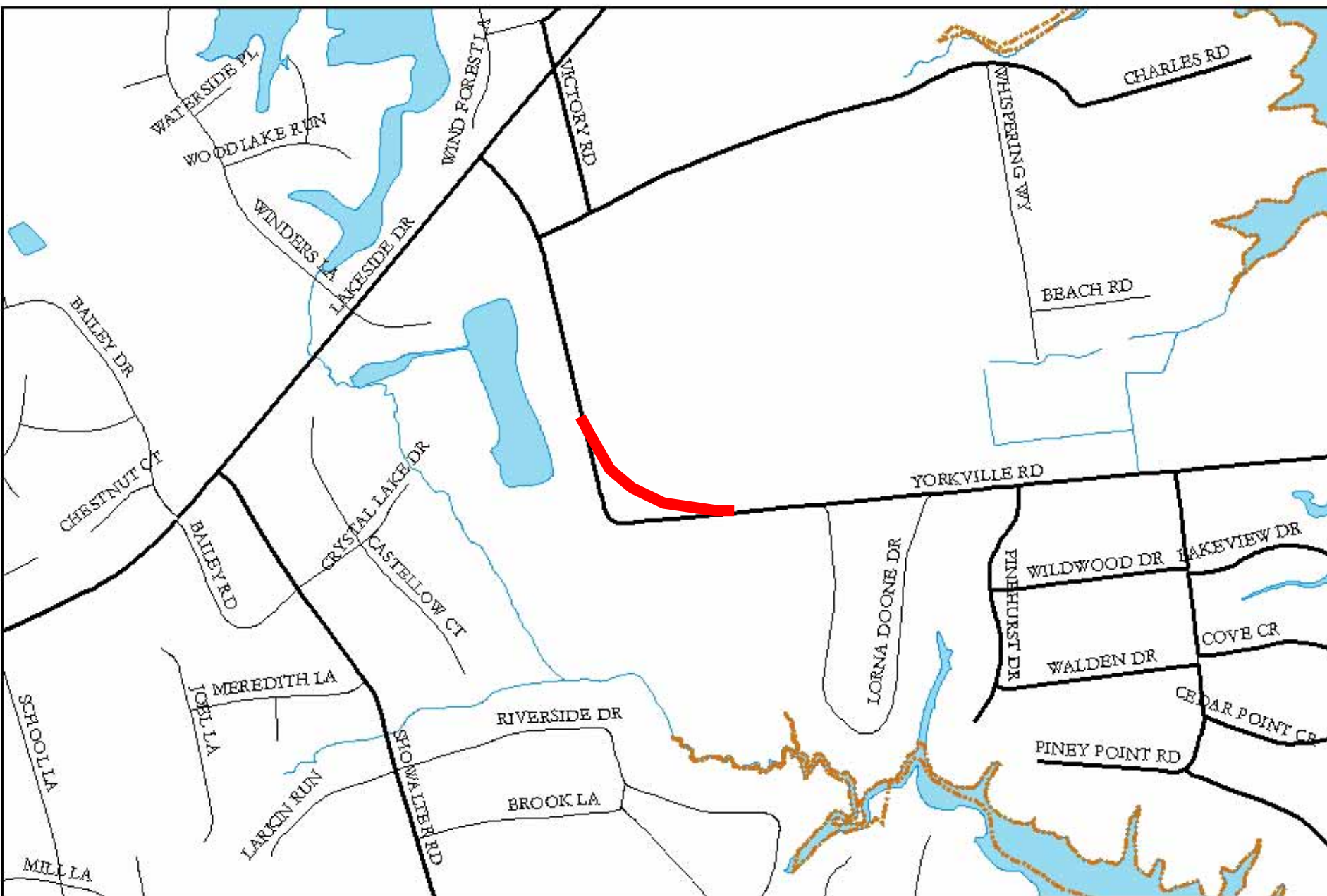
Lakeside Drive



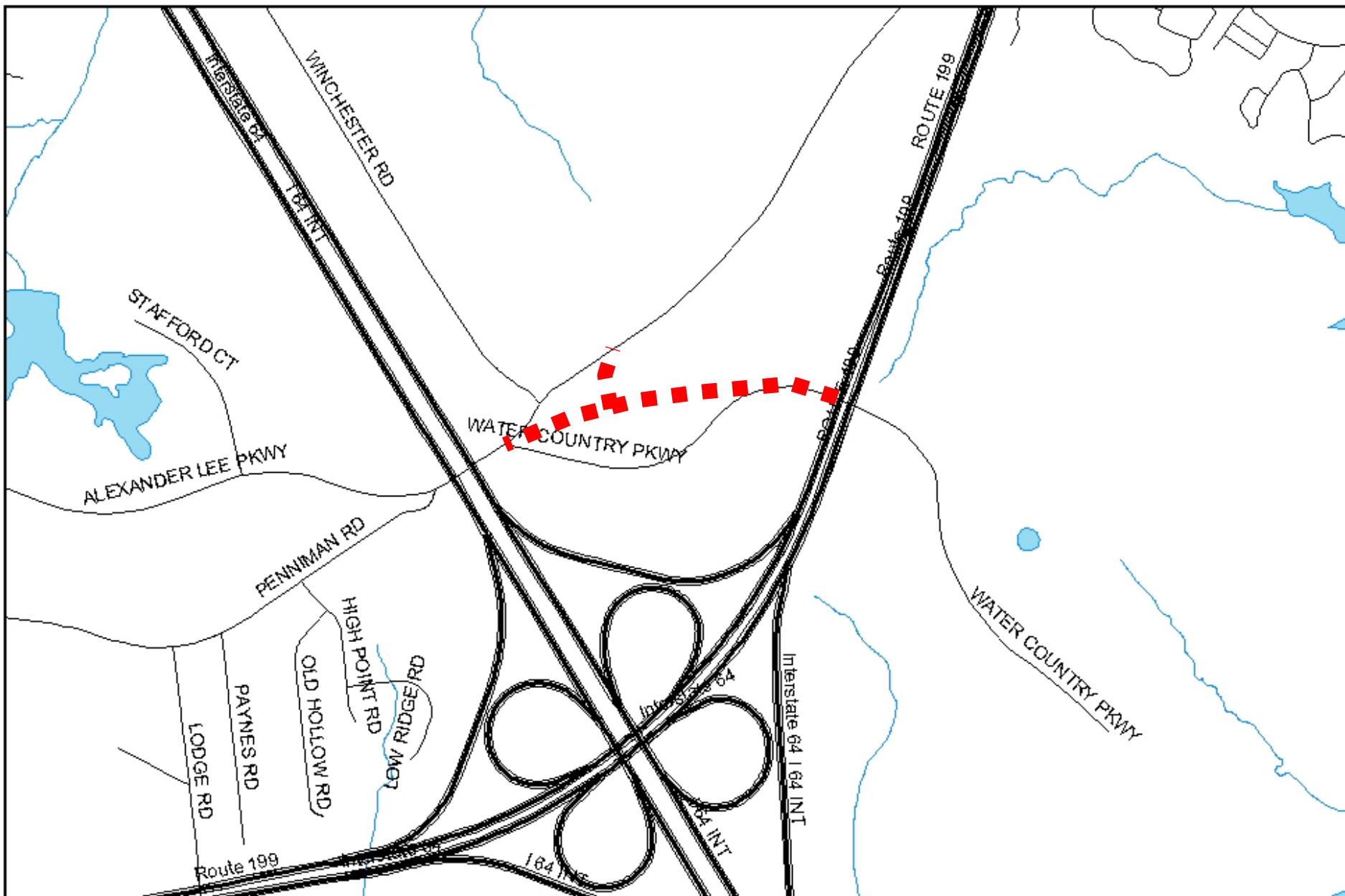
Penniman Road



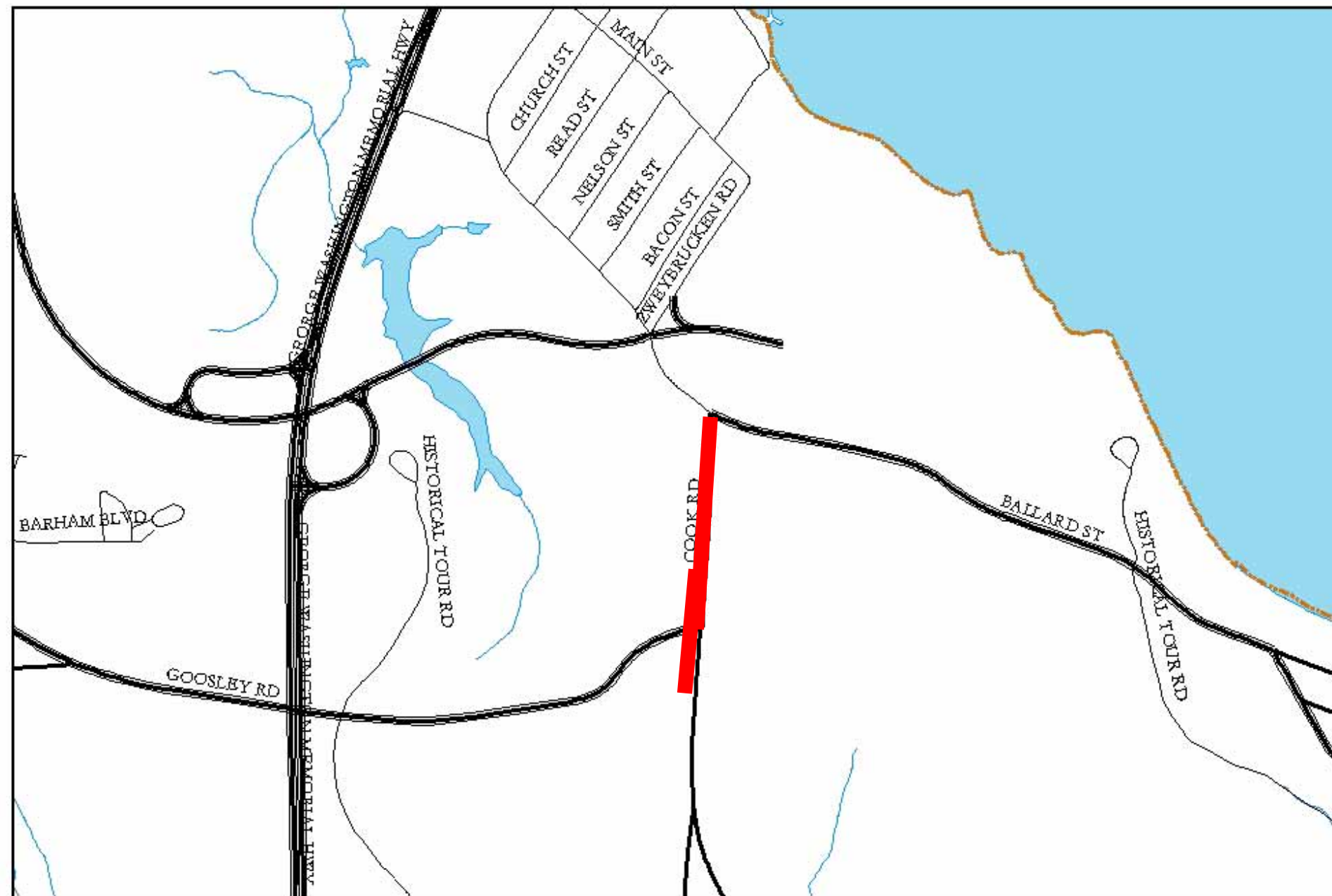
Yorkville Road



Water Country Parkway



Cook Road Bike Lanes



Walkways

- Zoning Ordinance requirements
 - ◆ Internal to development
 - ◆ Abutting public property or shopping centers
- Subdivision Ordinance requirements
 - ◆ Required along 1 side only
 - ◆ Collector and higher order streets
 - ◆ At least 2 units per acre
- Special Use Permits/Conditional rezonings

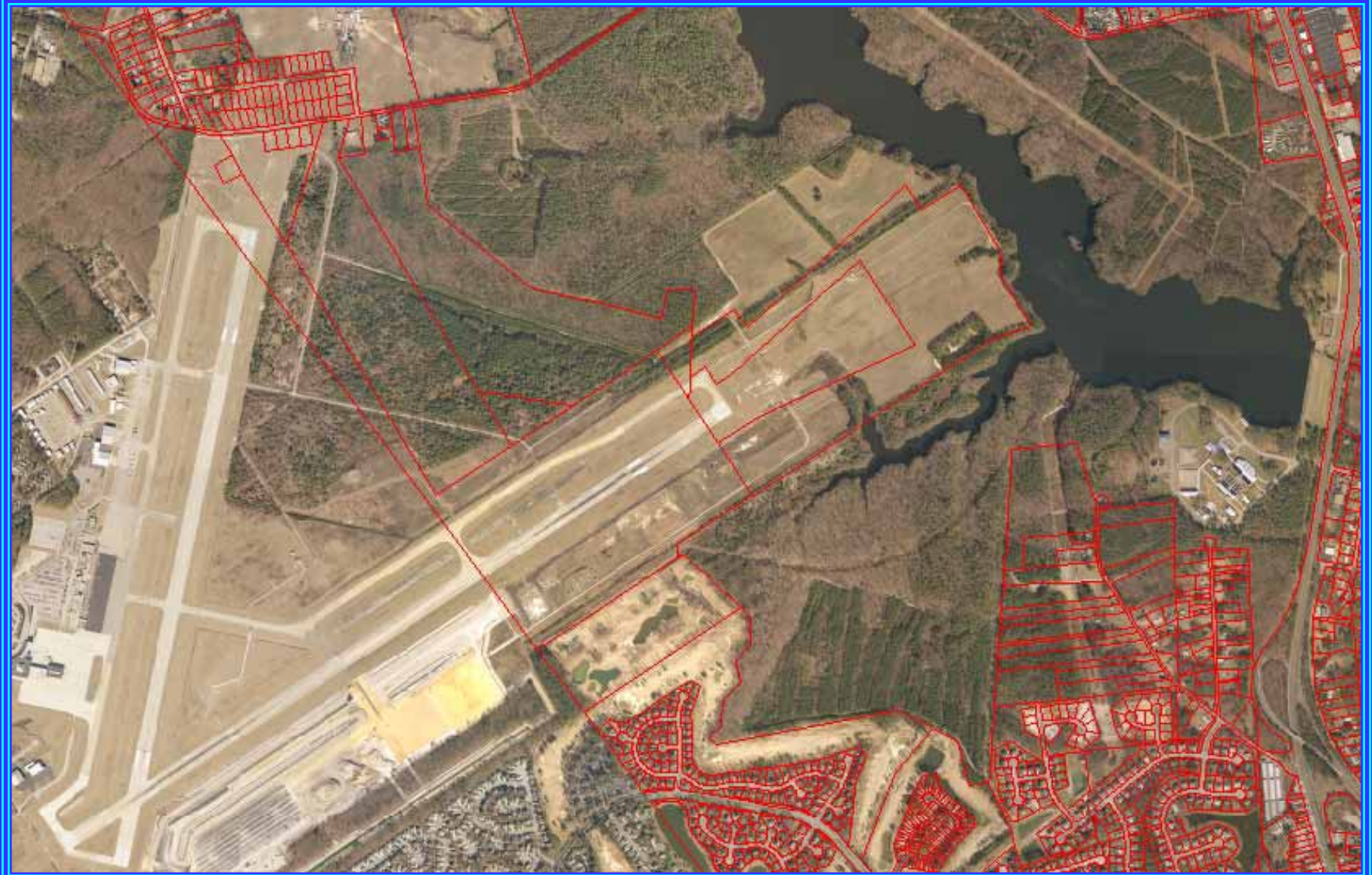
Walkways

- Sidewalk Plan adopted in 1995
- As a condition of development approval
- In conjunction with other road projects
- CIP projects
 - ◆ Merrimac Trail
 - ◆ Second Street
 - ◆ Richmond Road

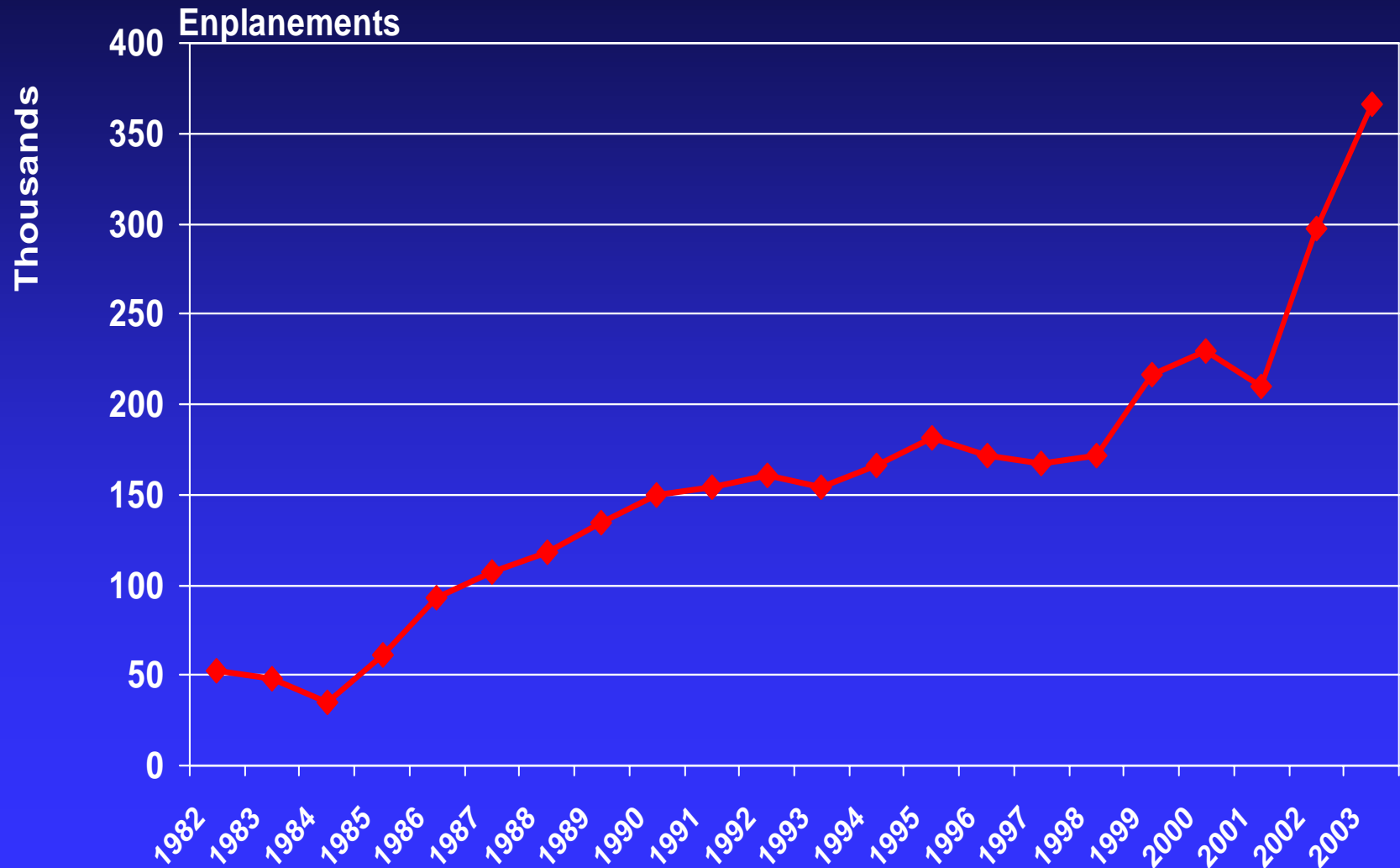
Airports

- Newport News/Williamsburg
- Norfolk International
- Richmond International

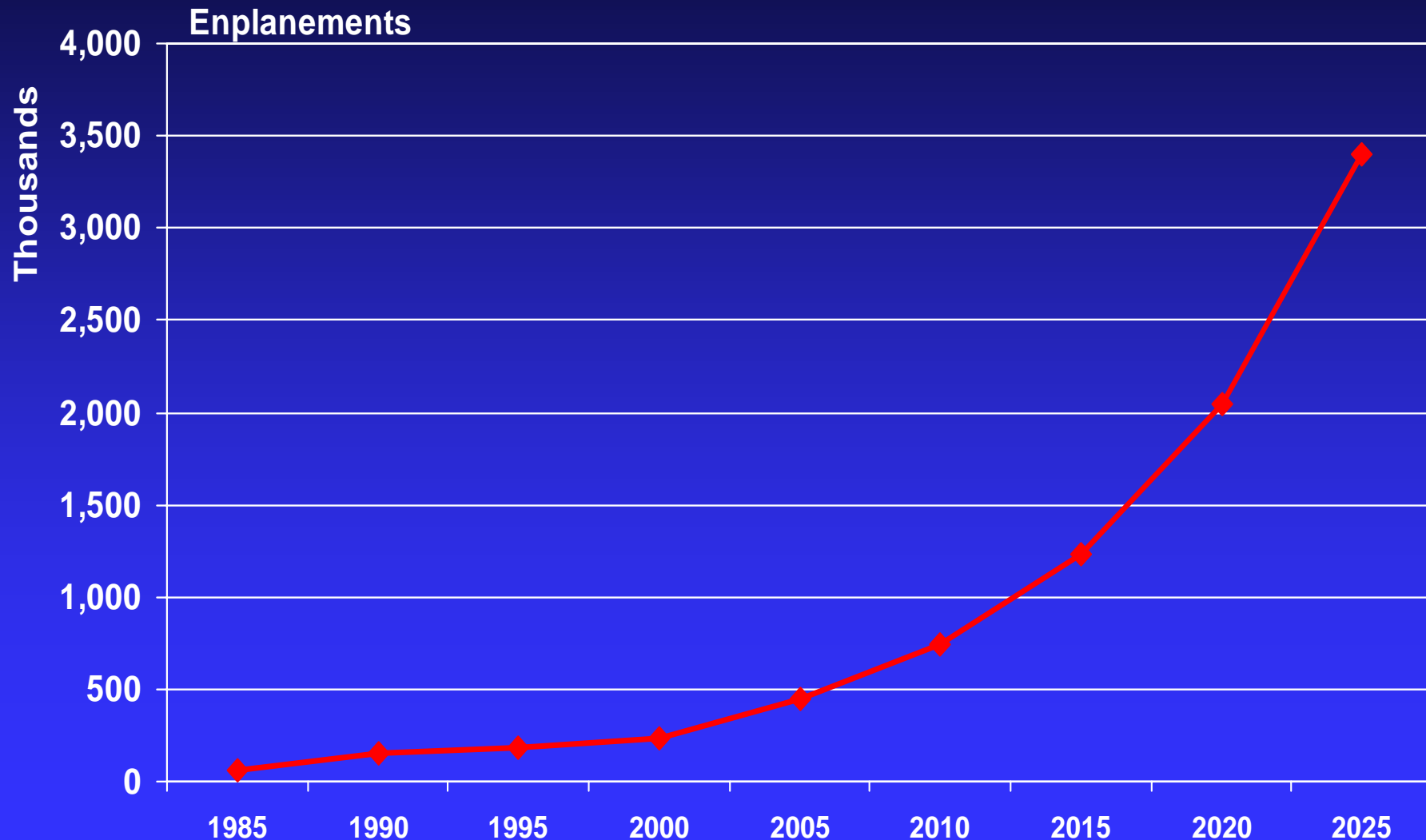




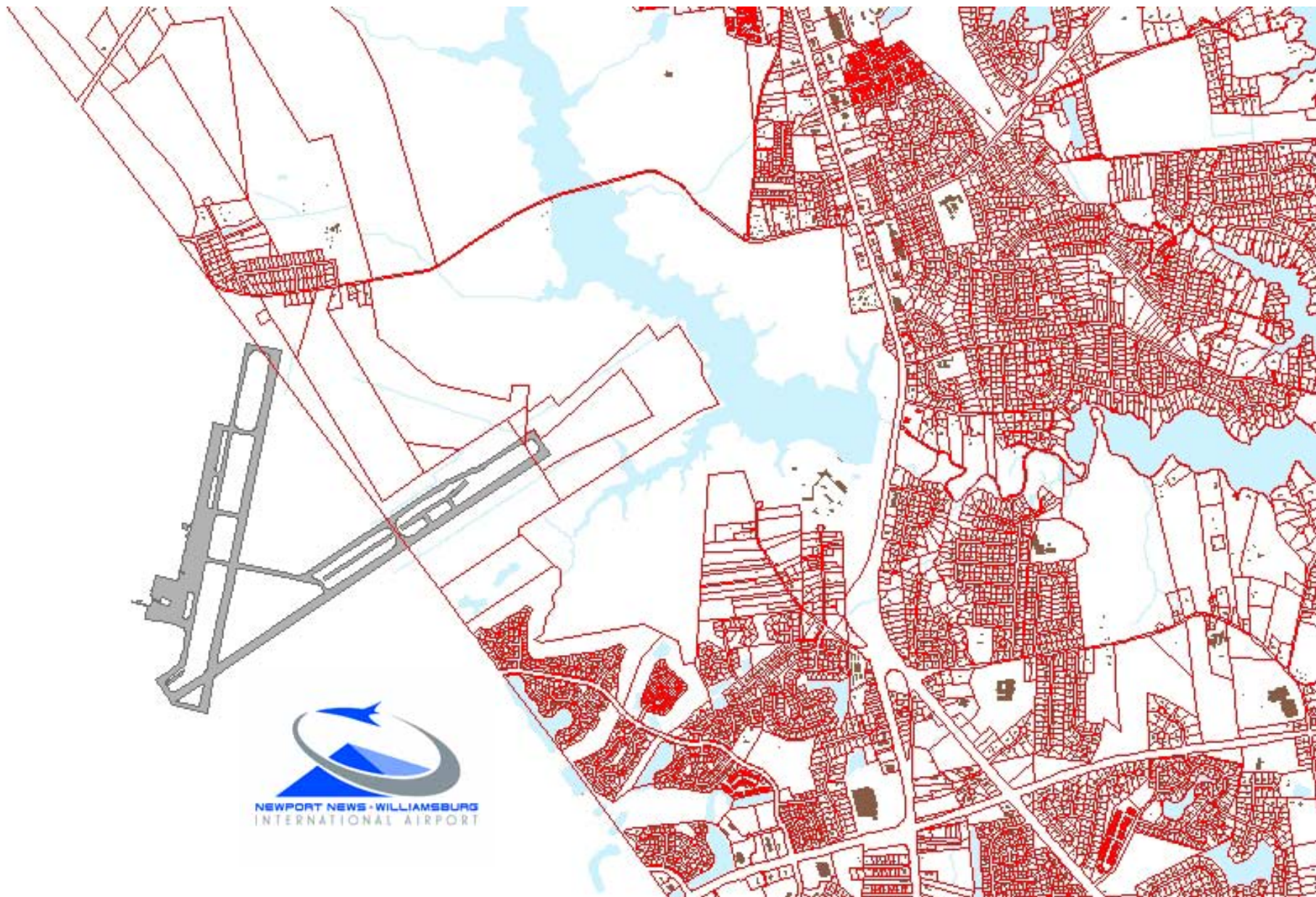
Airport passenger activity has grown by 10.6% annually, on average, since 1982.



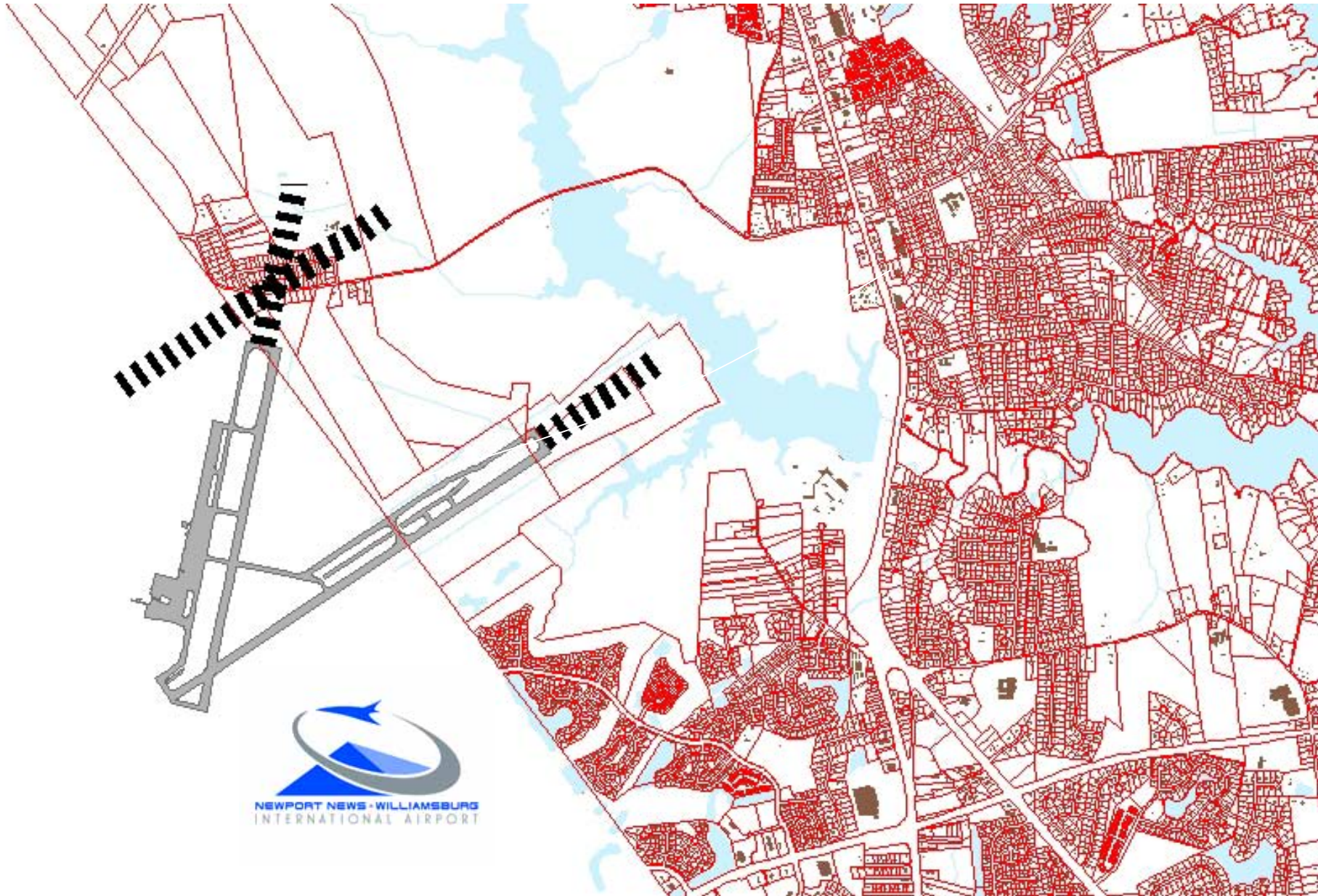
If that continues, there will be 3.4 million annual enplanements by 2025.



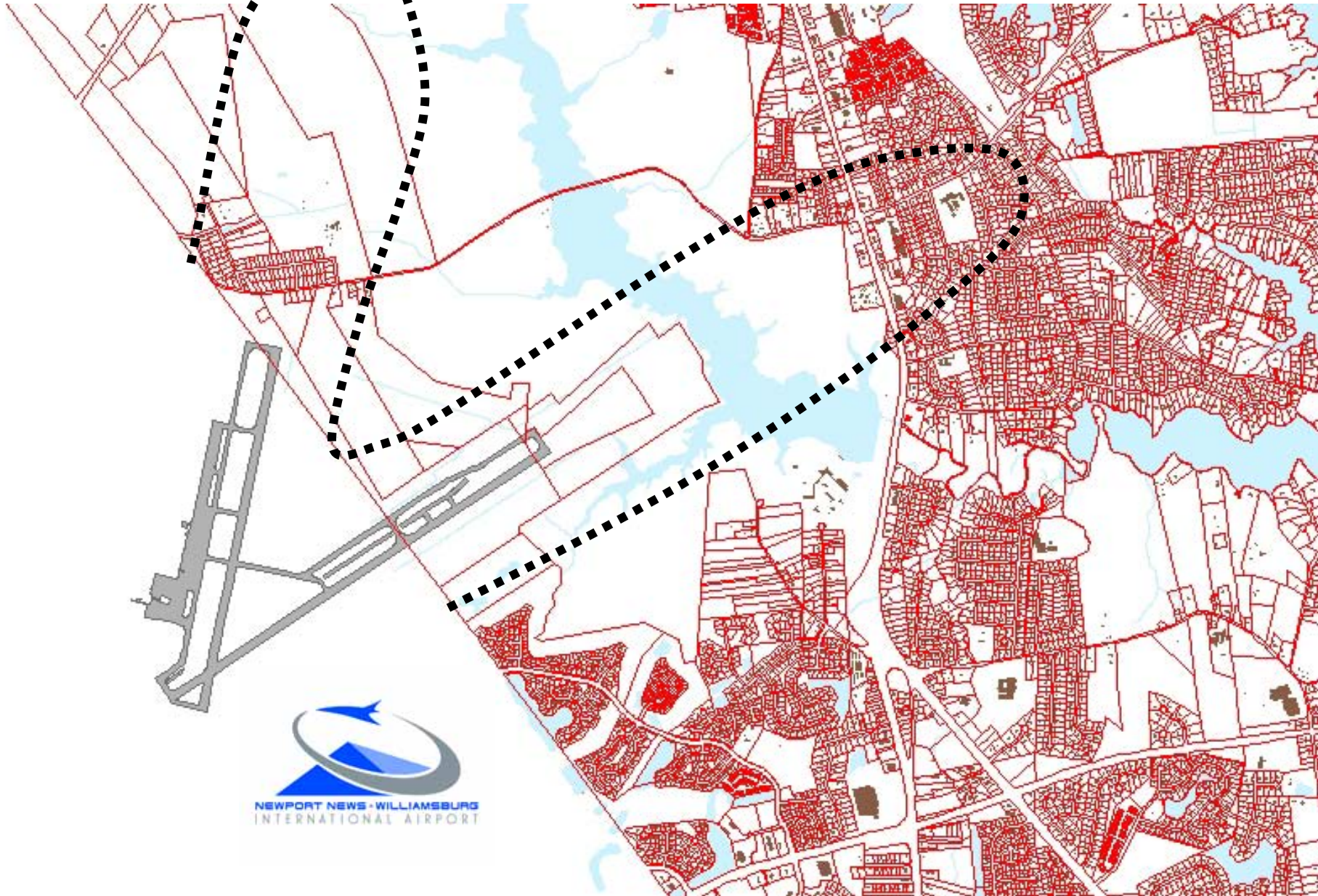
Current Layout



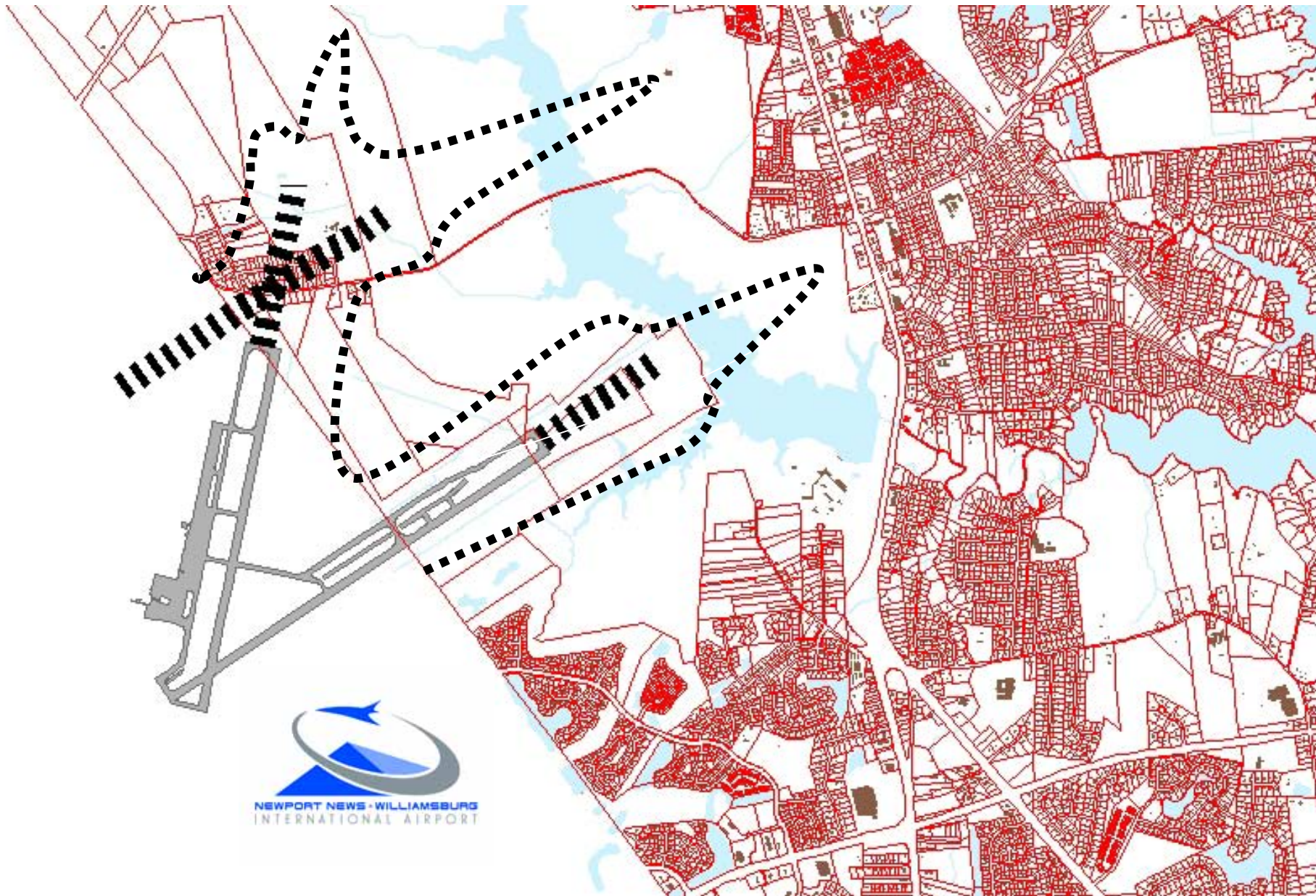
Airport Master Plan



Current Noise Contours

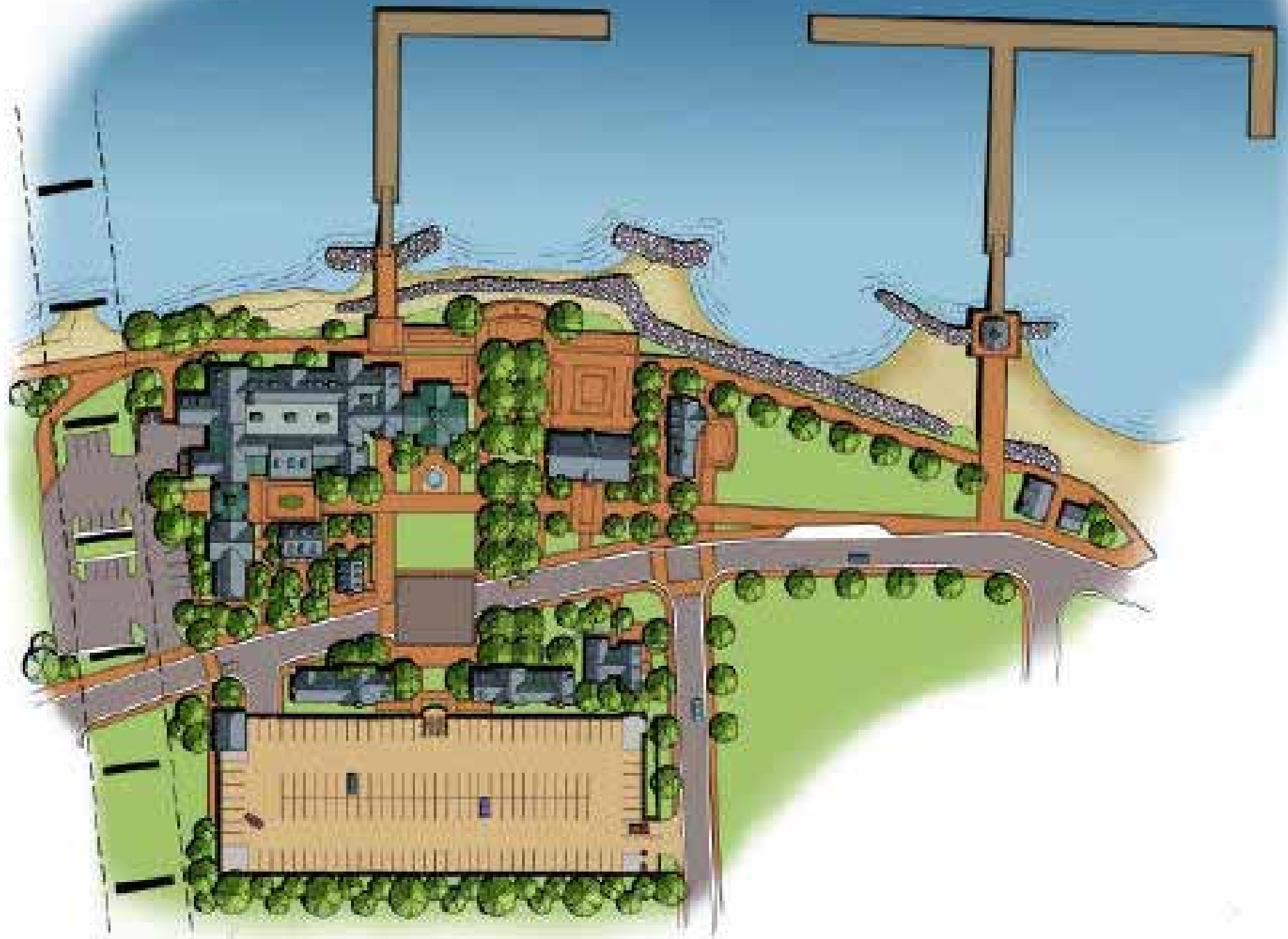


Projected Noise Contours



Waterways

- Yorktown waterfront project will include two piers
 - ◆ Smaller pier will accommodate approximately 40 recreational boats (average 28' in length)
 - ◆ Larger "T" pier will accommodate commercial vessels and will also have limited berthing for recreational boaters



Highway Levels of Service

■ Acceptable

- ◆ A – Free-flow Operations
- ◆ B – Reasonably free-flow
- ◆ C – Stable Operations

■ Moderate

- ◆ D – Borderline Unstable

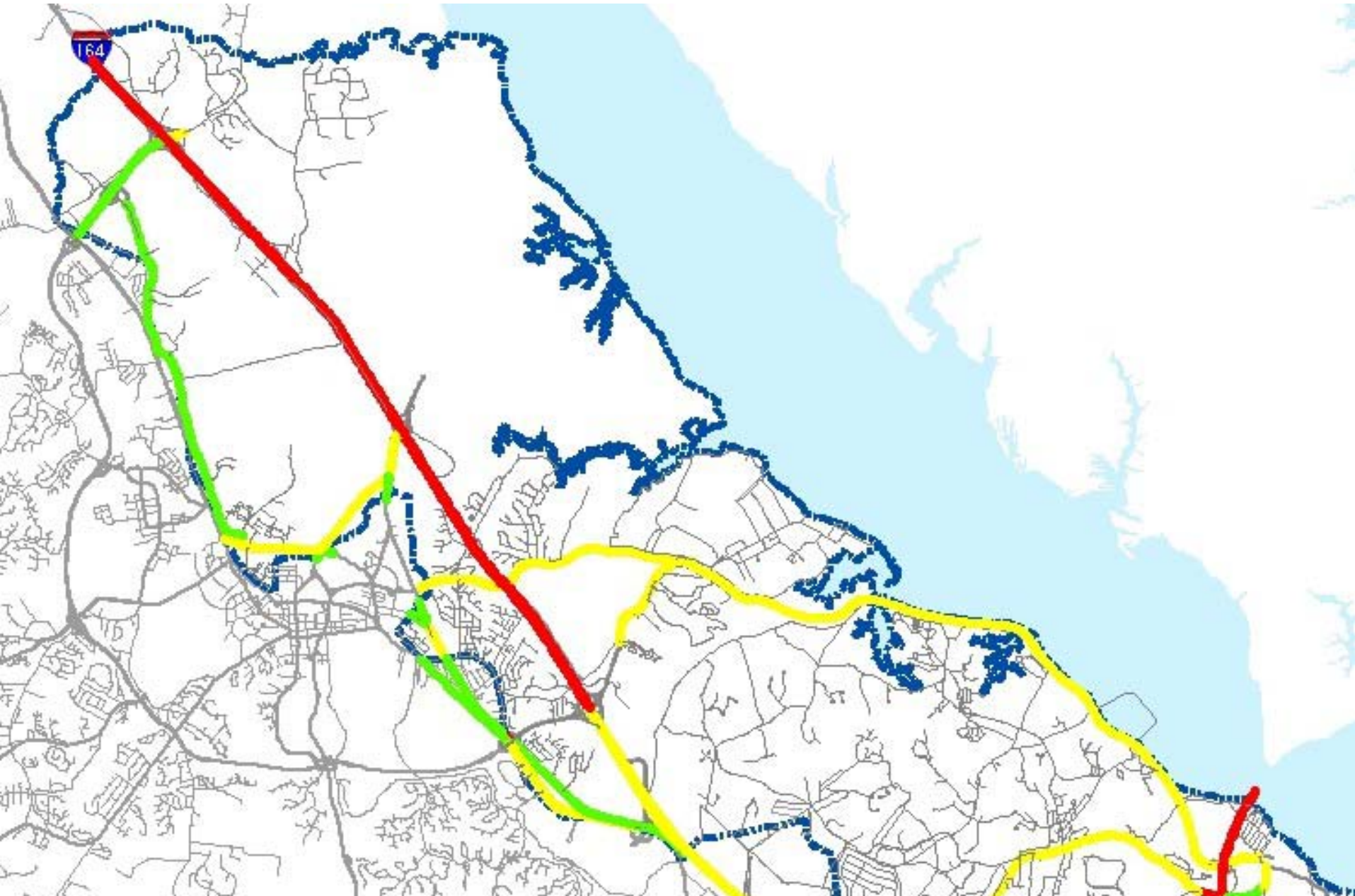
■ Severe

- ◆ E – Extremely Unstable
- ◆ F – Breakdown

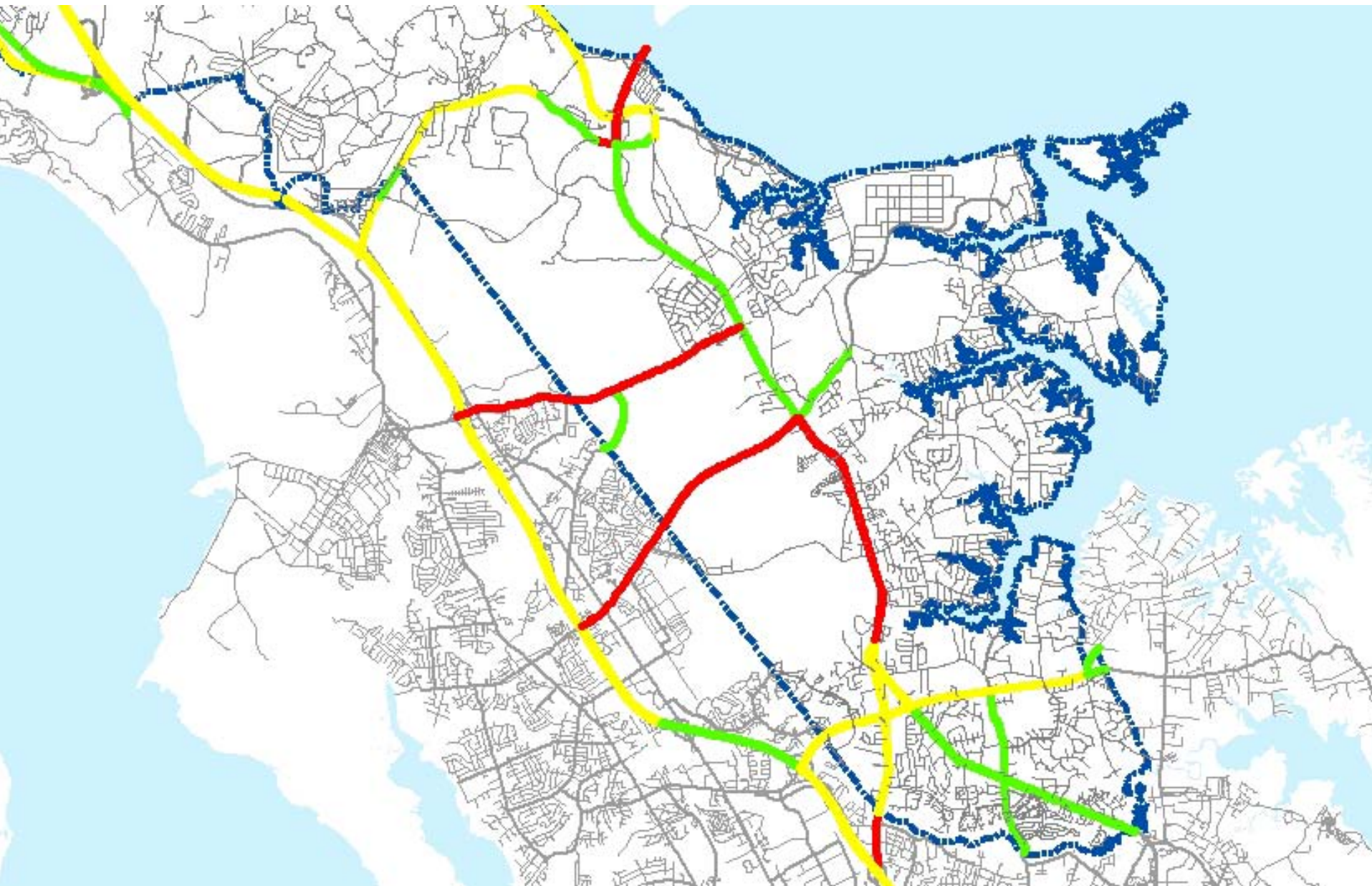
Upper County Levels of Service - 2003



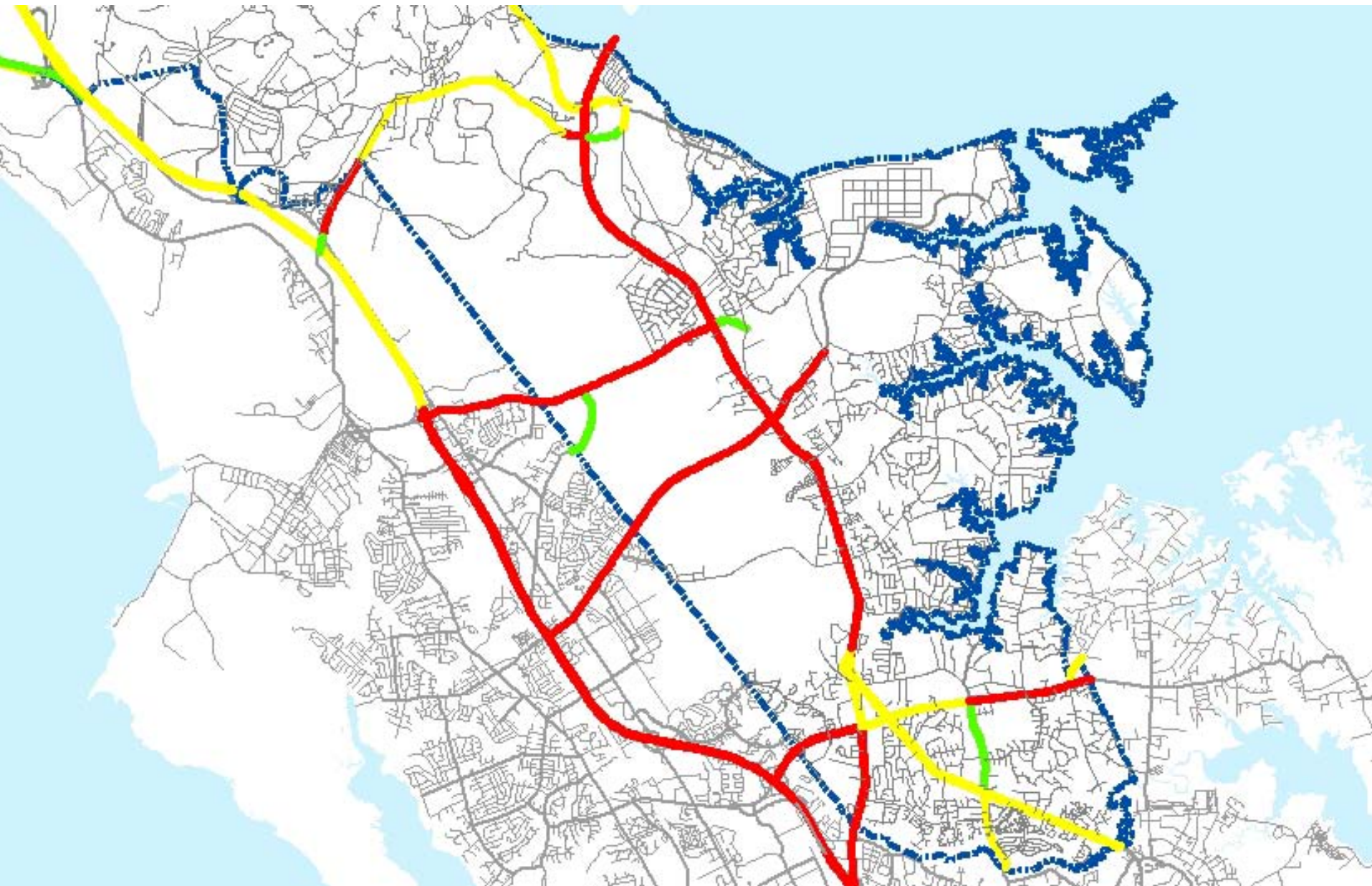
Upper County Levels of Service - 2026



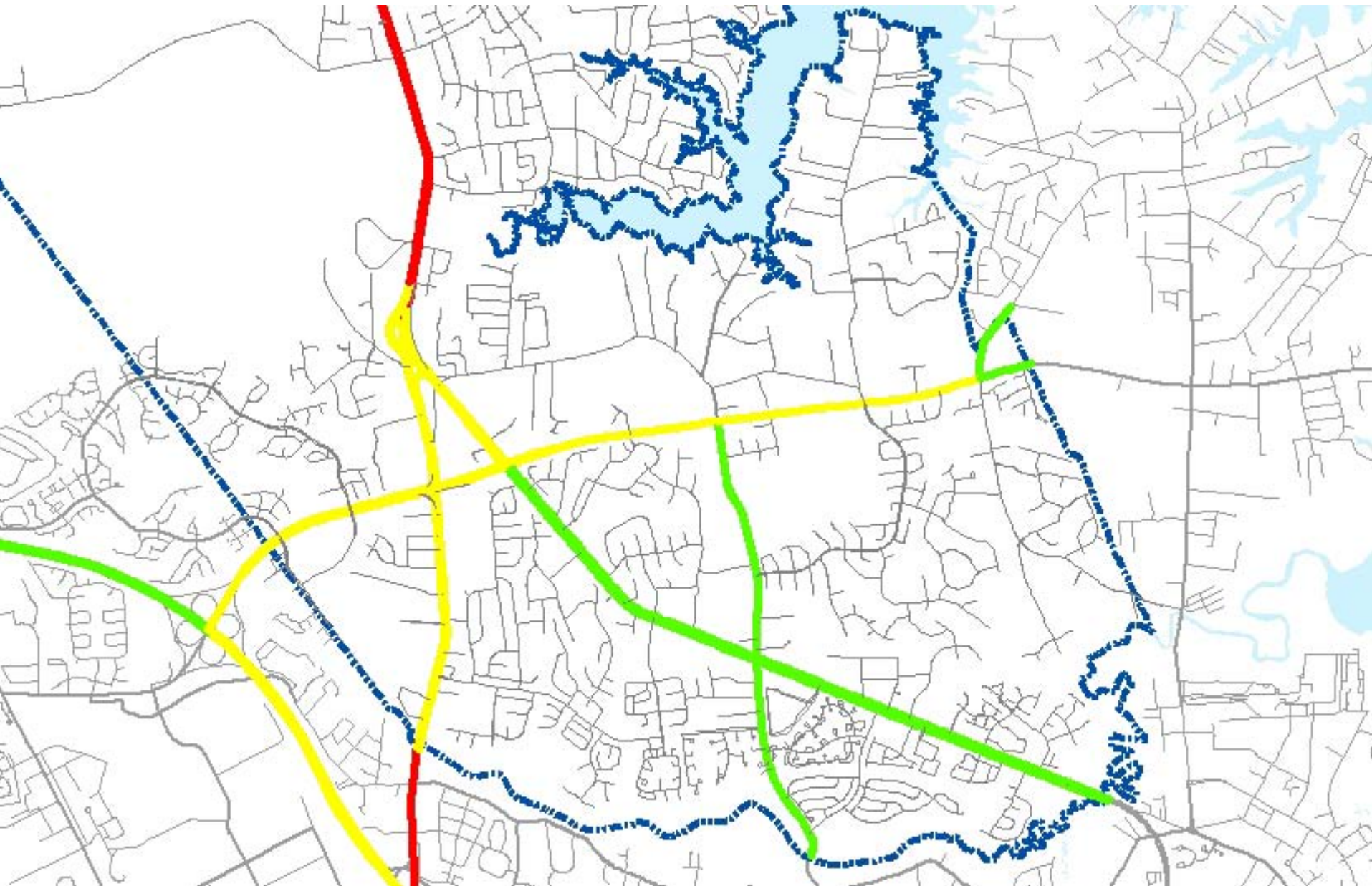
Lower County Levels of Service - 2003



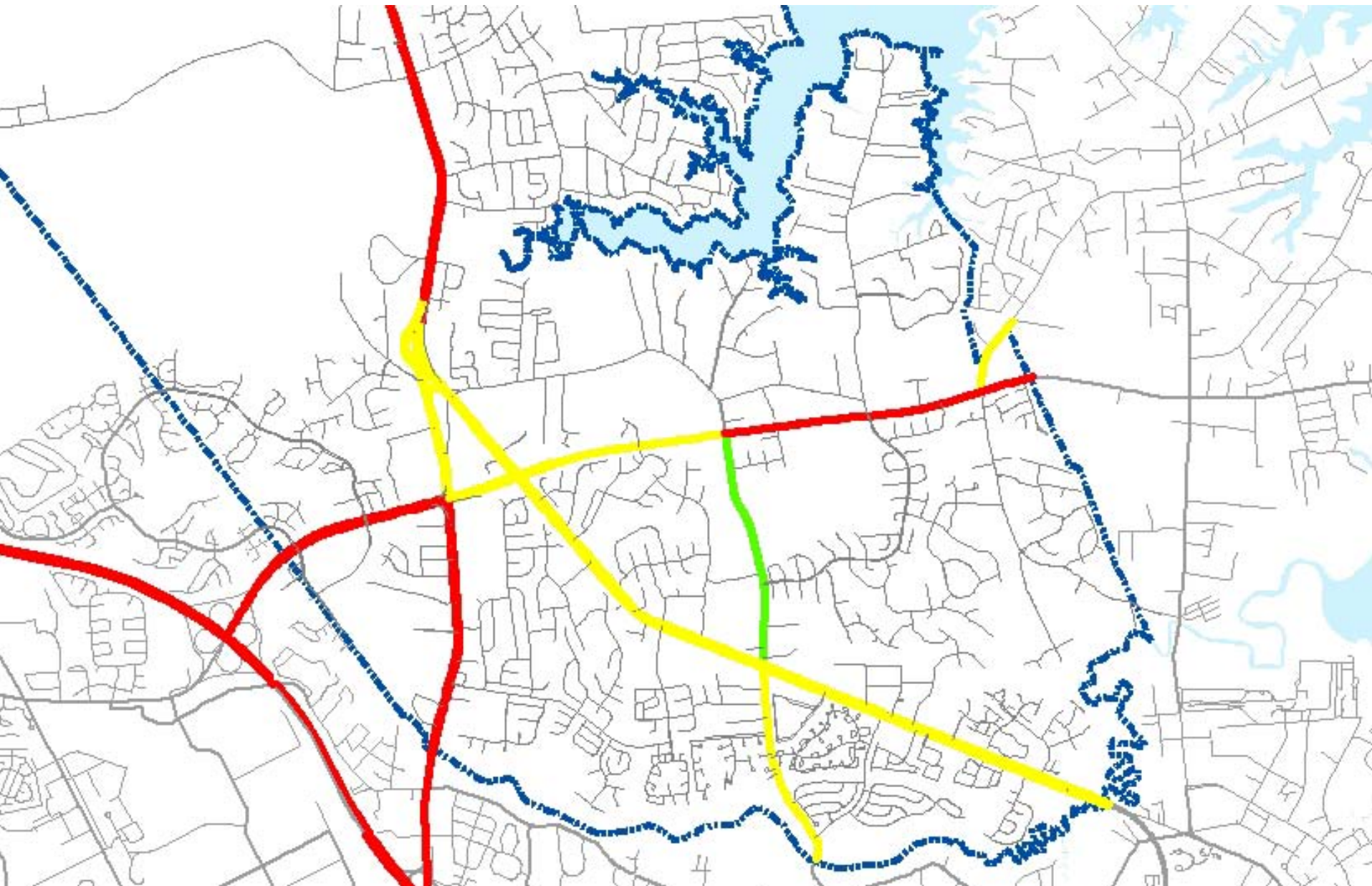
Lower County Levels of Service - 2026



Tabb Levels of Service - 2003



Tabb Levels of Service - 2026



Questions